

!!NA MULTIPLE ALIGNMENT 1.0
PileUp of: us*

Symbol comparison table: GenRunData:pilleupdna.cmp CompCheck: 6876

GapWeight: 5
GapLengthWeight: 0

align.msf MSF: 1456 Type: N April 7, 2006 06:58 Check: 2577 ..

Name: us-10-661-049-2 Len: 1456 Check: 7998 Weight: 1.00
Name: us-10-661-049-4 Len: 1456 Check: 2922 Weight: 1.00
Name: us-10-661-049-8 Len: 1456 Check: 4128 Weight: 1.00
Name: us-10-661-049-6 Len: 1456 Check: 7529 Weight: 1.00

//

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us-10-661-049-2 1
us-10-661-049-4 cgtacaagag tgggctcttg acctctcag tccaaacctc gtgaagcagc
us-10-661-049-8 -----
us-10-661-049-6 -----gacaa

51
us-10-661-049-2 -----
us-10-661-049-4 gcttcctcgc cctgaagccg ttctagatgc ggaanaatgc ctttcagaaa
us-10-661-049-8 -----
us-10-661-049-6 ctatctctcg tcgttaaag gacgactcca tcttcgcatg atgctctgag

101
us-10-661-049-2 gcaagctcctc tttagaaggt gtgatgcttg gaagcatctt ctgtctctg
us-10-661-049-4 gcaagctcctc tttagaaggt gtgatgcttg gaagcatctt ctgtctctg
us-10-661-049-8 -----
us-10-661-049-6 gcaagctcctc tttagaaggt atgatctctg gaggatattc ctgtctctc

151
us-10-661-049-2 atccatctatgc taagcacatc taggatctgt catggaanaa gaatgcacaa
us-10-661-049-4 atccatctatgc taagcacatc taggatctgt catggaanaa gaatgcacaa
us-10-661-049-8 -----
us-10-661-049-6 atgctctctc ttgagacctc taatccagga accactctcg aagctcaaaa

201
us-10-661-049-2 ccatgagcat catcacctac aagctcctaa caaagaagat atcttgaana
us-10-661-049-4 ccatgagcat caccatctgc aagcctcctaa caaagaagat atcttgaana
us-10-661-049-8 -----
us-10-661-049-6 tccactccac catcatttga aacctgtcag caaagatgag ctacgaagat

251
us-10-661-049-2 ttccagagga tgaagcgatg gagctcagta agagcttctg agtatactgt
us-10-661-049-4 ttccagagga tgaagcgatg gagctcagta agagcttctg agtatactgt
us-10-661-049-8 -----
us-10-661-049-6 tctccgagatc tgaatgtctc gagctcgcta tgaagcttctg agtatactgt

301
us-10-661-049-2 atgatctctg taaaaaccaa agatgtgagt ctttgggctg cagttaaaag
us-10-661-049-4 atgatctctg taaaaaccaa agatgtgagt ctttgggctg cagttaaaag
us-10-661-049-8 -----
us-10-661-049-6 atagctctcg taaaaaccaa agatgtgagt ctttgggctg cagttaaaag

351
us-10-661-049-2 gacttggagc aaacactctg acaaaacaga gtcttcagtc tctgaanaag
us-10-661-049-4 gacttggagc aaacactctg acaaaacaga gtcttcagtc tctgaanaag
us-10-661-049-8 -----
us-10-661-049-6 cactctggagc aaacactctg acaacatctg gtcttcacac tctgaagagt

401
us-10-661-049-2 ttaagctgtc tgaatcattc aatatggaca caaatgacat gtgttlaag
us-10-661-049-4 ttaagctgtc tgaatcattc aatatggaca caaatgacat gtgttlaag
us-10-661-049-8 -----
us-10-661-049-6 ctaagctctc tgaatcattc aatatggaca caaatgacat gtgttlaag

451
us-10-661-049-2 atggaanaag cttaacaata cgcctttgat aagtatagag accaatataa

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us-10-661-049-4 atgaggaag cttaacaata tctttgat caatcagag accaatataa
us-10-661-049-8 atgaggaag cttaacaata tctttgat caatcagag accaatataa
us-10-661-049-6 ctccgaag ccatccaca cgtttatgag aagccgag acc...tga

501
us-10-661-049-2 ctgtctctc ctgcagcgc ccaactcgtc tctctcatt gaaacctaa
us-10-661-049-4 ctgtctctc ctgcagcgc ccaactcgtc tctctcatt gaaacctaa
us-10-661-049-8 -----
us-10-661-049-6 ctgtctctc atagcgcgc ccaactcgtc tctctcatt gaaacctaa

551
us-10-661-049-2 agtatcttc gtcaaaaag gatccatcc aaccttcta tctggccac
us-10-661-049-4 aatatcttc gtcaaaaag gatccatcc aaccttcta tctggccac
us-10-661-049-8 -----
us-10-661-049-6 aatactctg gtctgaataa gatccagcc agccgttcta catggccac

601
us-10-661-049-2 acctataaat ctggagactc tgaatctg gtatctgaag gaggaaatgt
us-10-661-049-4 acctataaat ctggagactc tgaatctg gtatctgaag gaggaaatgt
us-10-661-049-8 -----
us-10-661-049-6 acggaanaag ctggagactc tgaatctg gtatctgaag gaggaaatgt

651
us-10-661-049-2 cttaagctta gaatcaatga aaagactcaa cagctctc atctccag
us-10-661-049-4 cttaagctta gaatcaatga aaagactcaa cagctctc atctccag
us-10-661-049-8 -----
us-10-661-049-6 cttaagctta gaatcaatga aaagactcaa cagctctc atctccag

701
us-10-661-049-2 aaaaagctcc tgaacagga ggaatgatt ggaagatc tgaagataa
us-10-661-049-4 aaaaagctcc tgaacagga ggaatgatt ggaagatc tgaagataa
us-10-661-049-8 -----
us-10-661-049-6 aaaaagctcc tgaacagga ggaatgatt ggaagatc tgaagataa

751
us-10-661-049-2 cagctgagcag tctgcctgaa atatctgaa gtatttcag aaatgcgaa
us-10-661-049-4 cagctgagcag tctgcctgaa atatctgaa gtatttcag aaatgcgaa
us-10-661-049-8 -----
us-10-661-049-6 cagctgagcag tctgcctgaa atatctgaa gtatttcag aaatgcgaa

801
us-10-661-049-2 agatgctgat ggaagaatg tatttaac caaatctgt gggcttcta
us-10-661-049-4 agatgctgat ggaagaatg tatttaac caaatctgt gggcttcta
us-10-661-049-8 -----
us-10-661-049-6 agatgctgat ggaagaatg tatttaac caaatctgt gggcttcta

851
us-10-661-049-2 ttaagaagc aatgactat caccacaac agttagtga aggtctgtc
us-10-661-049-4 ttaagaagc aatgactat caccacaac agttagtga aggtctgtc
us-10-661-049-8 -----
us-10-661-049-6 ttaagaagc aatgactat caccacaac agttagtga aggtctgtc

901
us-10-661-049-2 tcaatatag ctgtactt taatgactg actccaatc agatgcatgt
us-10-661-049-4 tcaatatag ctgtactt taatgactg actccaatc agatgcatgt
us-10-661-049-8 -----
us-10-661-049-6 tcaatatag ctgtactt taatgactg actccaatc agatgcatgt

951
us-10-661-049-2 gatgatgat ggggtatcc ggcctaggc attgggcat attttcatg
us-10-661-049-4 gatgatgat ggggtatcc ggcctaggc attgggcat attttcatg
us-10-661-049-8 -----
us-10-661-049-6 gatgatgat ggggtatcc ggcctaggc attgggcat attttcatg

1001
us-10-661-049-2 atgcatctgt tttctactc ccaaatgct ctgaacaatga ctga-----
us-10-661-049-4 atgcatctgt tttctactc ccaaatgct ctgaacaatga ctgaacaatga
us-10-661-049-8 -----
us-10-661-049-6 atgcatctgt tttctactc ccaaatgct ctgaacaatga ctgaacaatga

1051
us-10-661-049-2 gcaagagcat gcatctatga actataatc gacatgcat catctttaa

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```
us-10-661-049-8 gcaagagcat gcttttagta actatattaa gacacggrat tgttttaac
us-10-661-049-6 .....agt tgtggattct gaacctctta ctgtgacctc
1101
us-10-661-049-2 .....
us-10-661-049-4 tgaatgacaga tctaacatag taatatgatt ctttttctta tct.....
us-10-661-049-8 tgaataacaaa tctaacacag taatatgatt ctttttctta tctgtgtaca
us-10-661-049-6 cagcagctgaa atgttgatca taattgggtg cgggatgaaat taattgga
1151
us-10-661-049-2 .....
us-10-661-049-4 .....tt taccattga agtctgtctg tacaatgcca aatggaatgc
us-10-661-049-8 ctggatatac caccattga agtctactg taccatgcca aatggaatgc
us-10-661-049-6 gctgggtgaa gtaaaatga aatgatctg cattatgatt taatacta
1201
us-10-661-049-2 .....
us-10-661-049-4 tgtttttccc ttatatcat cctggagaat taaatgrrat taaaaataaa
us-10-661-049-8 tgttttagcc ttgcatcat tgtgag.aat taaatgrrat taaaaataaa
us-10-661-049-6 aagtcagtg ctggatcatg tgtgtgcact tgacagrrat ttgaa.....
1251
us-10-661-049-2 .....
us-10-661-049-4 tgttttaaaa atagcaatt ttcaaacaca tatttata.. agrrataatt
us-10-661-049-8 tgttttaaga atacaattt ttcaaataca tatttataaa tactataatt
us-10-661-049-6 .....taaaaa tgcagatctc
1301
us-10-661-049-2 .....
us-10-661-049-4 atgtatataa gactaaatta tagacattgt aatcgtgtgt gtatcttgc
us-10-661-049-8 atgtatataa gactaaatta tagacattaa aatcgtgtgt gtatcttgc
us-10-661-049-6 acaaaaaaaaa aaaaaaaaaa a-----
1351
us-10-661-049-2 .....
us-10-661-049-4 ttaattgrrt taaactatg tatcaattta gctttgrrat atattgrrat
us-10-661-049-8 ttaattgrrt tatacctgt tatcgggtt ggggrrattg ctcaattgrra
us-10-661-049-6 .....
1401
us-10-661-049-2 .....
us-10-661-049-4 gagacctcta gagaattgt gattaaaga tactgrrag cctgaaaaaa
us-10-661-049-8 gagtgccttgc ctggcagcg caagccctg grrttgrrtc ttactccga
us-10-661-049-6 .....
1451
us-10-661-049-2 .....
us-10-661-049-4 aaaaaa
us-10-661-049-8 gggaa-
us-10-661-049-6 -----
```

IntelliGenetics

GENALIGN - Multiple Sequence Alignment Program
Release 5.4

Fri 7 Apr 106 6:57:56-PST

Solution Parameters:

```
Nucleic Alphabet = Identity
Output line length = 80
Compress = Off
Histogram = Off
Randomization = Off
```

AMINO-Res-length	= 2
Deletion-weight	= 5.00
Length-factor	= 0
Matching-weight	= 1.00
NUCLEIC-Res-length	= 4
Spread-factor	= 50

Clustered order of selected sequences:

2. US-10-661-049-4 (1-1432)
4. US-10-661-049-8 (1-1283)
3. US-10-661-049-6 (1-1223)
1. US-10-661-049-2 (1-957)

US-10-661 - 958

consensus -----a-----c-g---c-----a---aaa

Alignment score = -2479.00

Scoring matrix:

	1	2	3	4
1		-1569	-1232	-1621
2			-740	186
3				-300
4				

OM protein - protein search, using sw model

Run on: April 7, 2006, 06:52:28 ; Search time 191 Seconds
(without alignments)
731.531 Million cell updates/sec

Title: US-10-661-049-1
Perfect score: 1700
Sequence: 1 BLSSSSFLKGVMLGSIFCA.....FGHIFNDALVFLPPNGSDND 318

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2443163 seqs, 439378781 residues

Total number of hits satisfying chosen parameters: 324

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%
Maximum Match 100%
Listing first 1000 summaries

Database : A_Geneseq_21:*
1: geneseq1980s:*
2: geneseq1990s:*
3: geneseq2000s:*
4: geneseq2001s:*
5: geneseq2002s:*
6: geneseq2003as:*
7: geneseq2003bs:*
8: geneseq2004s:*
9: geneseq2005s:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1700	100.0	318	2	AAY13402 Amino aci
2	1700	100.0	318	3	AAB18988 Amino aci
3	1700	100.0	318	3	ADC78653 Human PRO
4	1700	100.0	318	4	AAB80270 Human PRO
5	1700	100.0	318	4	AAU12358 Human PRO
6	1700	100.0	318	6	ABU71648 Human PRO
7	1700	100.0	318	6	ABO17802 Novel hum
8	1700	100.0	318	6	ABU71503 Human PRO

9	1700	100.0	318	6	ABU81056 Human PRO
10	1700	100.0	318	6	ABU71949 Human sec
11	1700	100.0	318	6	ABO01832 Novel hum
12	1700	100.0	318	6	ABU66756 Human PRO
13	1700	100.0	318	6	ABU54405 Human sec
14	1700	100.0	318	6	ABO47420 Human sec
15	1700	100.0	318	6	ABU59837 Novel sec
16	1700	100.0	318	6	ABO25027 Human sec
17	1700	100.0	318	6	ABU64557 Human sec
18	1700	100.0	318	6	ABU67403 Human sec
19	1700	100.0	318	6	ABO14923 Human sec
20	1700	100.0	318	6	ABU67032 Human sec
21	1700	100.0	318	6	ABU69680 Novel hum
22	1700	100.0	318	6	ABO14862 Human sec
23	1700	100.0	318	6	ADA45893 Novel hum
24	1700	100.0	318	6	ADA76324 Human PRO
25	1700	100.0	318	6	ADB29545 Human sec
26	1700	100.0	318	6	ADA18974 Human PRO
27	1700	100.0	318	6	ADA61597 Homo sapi
28	1700	100.0	318	6	ADB19382 Novel hum
29	1700	100.0	318	6	ADB27923 Human PRO
30	1700	100.0	318	6	ADA86402 Novel hum
31	1700	100.0	318	6	ADB15966 Human PRO
32	1700	100.0	318	6	ADA47752 Human PRO
33	1700	100.0	318	6	ADA18402 Human sec
34	1700	100.0	318	6	ABO32814 Human sec
35	1700	100.0	318	6	ADA67547 Human PRO
36	1700	100.0	318	6	ADB30554 Human PRO
37	1700	100.0	318	6	ADA85850 Novel hum
38	1700	100.0	318	6	ADA97062 Human PRO
39	1700	100.0	318	6	ADA79366 Human PRO
40	1700	100.0	318	6	ADA87505 Novel hum
41	1700	100.0	318	6	ADB16707 Human PRO
42	1700	100.0	318	6	ABO34874 Human PRO
43	1700	100.0	318	6	ADA16377 Human sec
44	1700	100.0	318	6	ADA91799 Novel hum
45	1700	100.0	318	6	ADB14862 Human PRO
46	1700	100.0	318	6	ADB18823 Novel hum
47	1700	100.0	318	6	ADA94928 Human PRO
48	1700	100.0	318	6	ADB19934 Novel hum
49	1700	100.0	318	6	ADB13246 Human PRO
50	1700	100.0	318	6	ABO43335 Novel hum
51	1700	100.0	318	6	ADA74500 Human PRO
52	1700	100.0	318	6	ADA42522 Human sec
53	1700	100.0	318	6	ADB24733 Human PRO
54	1700	100.0	318	6	ADA82257 Human PRO
55	1700	100.0	318	6	ADA75220 Human PRO
56	1700	100.0	318	6	ADA85298 Novel hum
57	1700	100.0	318	6	ADA84746 Novel hum
58	1700	100.0	318	6	ADB75552 Novel hum
59	1700	100.0	318	6	ADB30002 Novel hum
60	1700	100.0	318	6	ADA80530 Human PRO
61	1700	100.0	318	6	ADA75772 Human PRO
62	1700	100.0	318	6	ADA64997 Human PRO
63	1700	100.0	318	6	ADB25293 Human PRO
64	1700	100.0	318	6	ADA93469 Human PRO
65	1700	100.0	318	6	ADB26819 Human PRO

66	1700	100.0	318	6	ADB31106 Human PRO
67	1700	100.0	318	6	ADA61034 Homo sapi
68	1700	100.0	318	6	ADB24181 Human PRO
69	1700	100.0	318	6	ADA96510 Human PRO
70	1700	100.0	318	6	ADA81082 Human PRO
71	1700	100.0	318	6	ADA95958 Human PRO
72	1700	100.0	318	6	ADB26267 Human PRO
73	1700	100.0	318	6	ADB21752 Novel hum
74	1700	100.0	318	7	ADA77531 Human PRO
75	1700	100.0	318	7	ADB18271 Human PRO
76	1700	100.0	318	7	ADA86954 Novel hum
77	1700	100.0	318	7	ADA16801 Human sec
78	1700	100.0	318	7	ADA13230 Human sec
79	1700	100.0	318	7	ADA42098 Human sec
80	1700	100.0	318	7	ADA88057 Novel hum
81	1700	100.0	318	7	ADA64445 Human sec
82	1700	100.0	318	7	ADA17445 Human sec
83	1700	100.0	318	7	ADA2948 Human sec
84	1700	100.0	318	7	ADB28475 Human PRO
85	1700	100.0	318	7	ADB29027 Human PRO
86	1700	100.0	318	7	ADA76979 Human PRO
87	1700	100.0	318	7	ADA88609 Novel hum
88	1700	100.0	318	7	ADA97614 Human PRO
89	1700	100.0	318	7	ADB27371 Human PRO
90	1700	100.0	318	7	ADB22304 Novel hum
91	1700	100.0	318	7	ABO17613 Human PRO
92	1700	100.0	318	7	ADA66995 Human PRO
93	1700	100.0	318	7	ADB22856 Human PRO
94	1700	100.0	318	7	ADB23629 Human PRO
95	1700	100.0	318	7	ADA92351 Novel hum
96	1700	100.0	318	7	ADB15414 Human PRO
97	1700	100.0	318	7	ADB38666 Novel hum
98	1700	100.0	318	7	ADB38114 Novel hum
99	1700	100.0	318	7	ADB66586 Novel hum
100	1700	100.0	318	7	ADB89666 Human PRO
101	1700	100.0	318	7	ADB90398 Human PRO
102	1700	100.0	318	7	ADB77866 Human sec
103	1700	100.0	318	7	ADB39499 Human PRO
104	1700	100.0	318	7	ADB75002 Novel hum
105	1700	100.0	318	7	ADB47122 Novel hum
106	1700	100.0	318	7	ADB86729 Human PRO
107	1700	100.0	318	7	ADB77334 Novel hum
108	1700	100.0	318	7	ADB34491 Human PRO
109	1700	100.0	318	7	ADB35595 Human PRO
110	1700	100.0	318	7	ADB33939 Human PRO
111	1700	100.0	318	7	ADB35043 Human PRO
112	1700	100.0	318	7	ADB36147 Human PRO
113	1700	100.0	318	7	ADB46542 Novel hum
114	1700	100.0	318	7	ADC28649 Human sec
115	1700	100.0	318	7	ADC39849 Human sec
116	1700	100.0	318	7	ADC40363 Human sec
117	1700	100.0	318	7	ADC19187 Human sec
118	1700	100.0	318	7	ADC34487 Human sec
119	1700	100.0	318	7	ADC29542 Human sec
120	1700	100.0	318	7	ADC29073 Human sec
121	1700	100.0	318	7	ADC40958 Human sec
122	1700	100.0	318	7	ADC19615 Human sec
123	1700	100.0	318	7	ADC34063 Human sec
124	1700	100.0	318	7	ADC13133 Human sec
125	1700	100.0	318	7	ADC50415 Novel hum
126	1700	100.0	318	7	ADC71962 Novel hum
127	1700	100.0	318	7	ADC59941 Novel hum
128	1700	100.0	318	7	ADC52948 Novel hum
129	1700	100.0	318	7	ADC57302 Novel hum
130	1700	100.0	318	7	ADC50493 Novel hum
131	1700	100.0	318	7	ADC50968 Novel hum
132	1700	100.0	318	7	ADC65495 Human PRO
133	1700	100.0	318	7	ADC54593 Novel hum
134	1700	100.0	318	7	ADC53554 Novel hum
135	1700	100.0	318	7	ADC59077 Novel hum
136	1700	100.0	318	7	ADC55955 Novel hum
137	1700	100.0	318	7	ADC58525 Novel hum
138	1700	100.0	318	7	ADC12585 Human sec
139	1700	100.0	318	7	ADC30139 Novel hum
140	1700	100.0	318	7	ADC90191 Novel hum
141	1700	100.0	318	7	ADC59610 Human PRO
142	1700	100.0	318	7	ADC48499 Human PRO
143	1700	100.0	318	7	ADC10028 Human PRO
144	1700	100.0	318	7	ADC04603 Novel hum
145	1700	100.0	318	7	ADC80559 Novel hum
146	1700	100.0	318	7	ADC11066 Human PRO
147	1700	100.0	318	7	ADC47947 Human PRO
148	1700	100.0	318	7	ADC05140 Human sec
149	1700	100.0	318	7	ADC80007 Novel hum
150	1700	100.0	318	7	ADC09476 Human PRO
151	1700	100.0	318	7	ADC04146 Human sec
152	1700	100.0	318	7	ADC03722 Human sec
153	1700	100.0	318	7	ADC41189 Novel hum
154	1700	100.0	318	7	ADC52328 Human PRO
155	1700	100.0	318	7	ADC53068 Human PRO
156	1700	100.0	318	7	ADC53620 Novel hum
157	1700	100.0	318	7	ADC51776 Human PRO
158	1700	100.0	318	7	ADC02575 Human PRO
159	1700	100.0	318	7	ADC02009 Human PRO
160	1700	100.0	318	7	ADC54191 Novel hum
161	1700	100.0	318	7	ADC92508 Human PRO
162	1700	100.0	318	7	ADC91404 Human PRO
163	1700	100.0	318	7	ADC04018 Human PRO
164	1700	100.0	318	7	ADC32315 Novel hum
165	1700	100.0	318	7	ADC22247 Human PRO
166	1700	100.0	318	7	ADC79471 Human PRO
167	1700	100.0	318	7	ADC42007 Human PRO
168	1700	100.0	318	7	ADC17824 Human PRO
169	1700	100.0	318	7	ADC91956 Human PRO
170	1700	100.0	318	7	ADC33419 Novel hum
171	1700	100.0	318	7	ADC33971 Novel hum
172	1700	100.0	318	7	ADC00023 Human PRO
173	1700	100.0	318	7	ADC93060 Human PRO
174	1700	100.0	318	7	ADC19480 Human PRO
175	1700	100.0	318	7	ADC34974 Human sec
176	1700	100.0	318	7	ADC18928 Human PRO
177	1700	100.0	318	7	ADC43124 Human PRO
178	1700	100.0	318	7	ADC95913 Human PRO
179	1700	100.0	318	7	ADC22799 Human PRO

180	1700	100.0	318	7	ADD78917	Add78917 Human PRO	237	1700	100.0	318	8	ADF74018	Adf74018 Human sec
181	1700	100.0	318	7	ADe32867	Ad32867 Novel hum	238	1700	100.0	318	8	ADG02290	Adg02290 Human PRO
182	1700	100.0	318	7	ADe42559	Ad42559 Human PRO	239	1700	100.0	318	8	ADG22076	Adg22076 Novel hum
183	1700	100.0	318	7	ADh80575	Adh80575 Human PRO	240	1700	100.0	318	8	ADG20146	Adg20146 Human PRO
184	1700	100.0	318	7	ADDe9603	AdDe9603 Human PRO	241	1700	100.0	318	8	ADF98052	Adf98052 Human PRO
185	1700	100.0	318	7	ADDe0887	AdDe0887 Human PRO	242	1700	100.0	318	8	ADG24269	Adg24269 Novel hum
186	1700	100.0	318	7	ADe04686	Ad04686 Human PRO	243	1700	100.0	318	8	ADF98623	Adf98623 Human PRO
187	1700	100.0	318	7	ADe92815	Ad92815 Human PRO	244	1700	100.0	318	8	ADG03454	Adg03454 Human PRO
188	1700	100.0	318	7	ADG21524	Adg21524 Novel hum	245	1700	100.0	318	8	ADF99175	Adf99175 Human PRO
189	1700	100.0	318	7	ADG23165	Adg23165 Novel hum	246	1700	100.0	318	8	ADG16760	Adg16760 Human PRO
190	1700	100.0	318	7	ADf97500	Adf97500 Human PRO	247	1700	100.0	318	8	ADG05219	Adg05219 Human PRO
191	1700	100.0	318	7	ADG80564	Adg80564 Human PRO	248	1700	100.0	318	8	ADG19486	Adg19486 Human PRO
192	1700	100.0	318	7	ADG80012	Adg80012 Human PRO	249	1700	100.0	318	8	ADF73594	Adf73594 Human sec
193	1700	100.0	318	7	ADH59457	AdH59457 Human sec	250	1700	100.0	318	8	ADG13323	Adg13323 Human PRO
194	1700	100.0	318	7	ADH55304	AdH55304 Novel hum	251	1700	100.0	318	8	ADG08380	Adg08380 Novel hum
195	1700	100.0	318	7	ADH55856	AdH55856 Novel hum	252	1700	100.0	318	8	ADG15550	Adg15550 Human PRO
196	1700	100.0	318	7	AD138236	Ad138236 Human sec	253	1700	100.0	318	8	ADF96948	Adf96948 Human PRO
197	1700	100.0	318	7	ADi64075	Adi64075 Novel hum	254	1700	100.0	318	8	ADG06133	Adg06133 Human PRO
198	1700	100.0	318	7	ADi63523	Adi63523 Novel hum	255	1700	100.0	318	8	ADG23717	Adg23717 Novel hum
199	1700	100.0	318	7	ADh81937	Adh81937 Novel hum	256	1700	100.0	318	8	ADG04006	Adg04006 Human PRO
200	1700	100.0	318	7	ADh81385	Adh81385 Novel hum	257	1700	100.0	318	8	ADG24907	Adg24907 Novel hum
201	1700	100.0	318	7	ADj94162	Adj94162 Human gal	258	1700	100.0	318	8	ADG07204	Adg07204 Novel hum
202	1700	100.0	318	7	ADj26504	Adj26504 Human sec	259	1700	100.0	318	8	ADG07756	Adg07756 Novel hum
203	1700	100.0	318	7	ADm82554	Adm82554 Novel hum	260	1700	100.0	318	8	ADG55251	Adg55251 Novel hum
204	1700	100.0	318	7	ADn15953	Adn15953 Novel hum	261	1700	100.0	318	8	ADG60915	Adg60915 Novel hum
205	1700	100.0	318	7	ADn16582	Adn16582 Novel hum	262	1700	100.0	318	8	ADG62019	Adg62019 Novel hum
206	1700	100.0	318	7	ADn15401	Adn15401 Novel hum	263	1700	100.0	318	8	ADG92437	Adg92437 Human sec
207	1700	100.0	318	7	ADn14849	Adn14849 Novel hum	264	1700	100.0	318	8	ADG82220	Adg82220 Human PRO
208	1700	100.0	318	7	ADi65024	Adi65024 Novel hum	265	1700	100.0	318	8	ADG57459	Adg57459 Novel hum
209	1700	100.0	318	8	ADc81111	Adc81111 Novel hum	266	1700	100.0	318	8	ADG56907	Adg56907 Novel hum
210	1700	100.0	318	8	ADe79419	Ad79419 Human sec	267	1700	100.0	318	8	ADG55803	Adg55803 Novel hum
211	1700	100.0	318	8	ADD76559	Add76559 Human PRO	268	1700	100.0	318	8	ADG58563	Adg58563 Novel hum
212	1700	100.0	318	8	ADD87923	Add87923 Human PRO	269	1700	100.0	318	8	ADG70929	Adg70929 Novel hum
213	1700	100.0	318	8	ADD86327	Add86327 Human PRO	270	1700	100.0	318	8	ADG92864	Adg92864 Human sec
214	1700	100.0	318	8	ADe79843	Ad79843 Human sec	271	1700	100.0	318	8	ADG58011	Adg58011 Novel hum
215	1700	100.0	318	8	ADe75775	Ad75775 Human PRO	272	1700	100.0	318	8	ADG53595	Adg53595 Novel hum
216	1700	100.0	318	8	ADe73519	Ad73519 Human sec	273	1700	100.0	318	8	ADG71481	Adg71481 Novel hum
217	1700	100.0	318	8	ADe23351	Ad23351 Human PRO	274	1700	100.0	318	8	ADG81668	Adg81668 Human PRO
218	1700	100.0	318	8	ADe23903	Ad23903 Human PRO	275	1700	100.0	318	8	ADH30630	Adh30630 Human PRO
219	1700	100.0	318	8	ADe24546	Ad24546 Human PRO	276	1700	100.0	318	8	ADH11997	Adh11997 Novel hum
220	1700	100.0	318	8	ADD87371	Add87371 Human PRO	277	1700	100.0	318	8	ADG52419	Adg52419 Novel hum
221	1700	100.0	318	8	ADe89237	Ad89237 Human PRO	278	1700	100.0	318	8	ADG54147	Adg54147 Novel hum
222	1700	100.0	318	8	ADe74054	Ad74054 Human sec	279	1700	100.0	318	8	ADG81116	Adg81116 Human PRO
223	1700	100.0	318	8	ADe18376	Ad18376 Human PRO	280	1700	100.0	318	8	ADG56355	Adg56355 Novel hum
224	1700	100.0	318	8	ADe88685	Ad88685 Human PRO	281	1700	100.0	318	8	ADH12621	Adh12621 Novel hum
225	1700	100.0	318	8	ADe99608	Ad99608 Human sec	282	1700	100.0	318	8	ADG61467	Adg61467 Novel hum
226	1700	100.0	318	8	ADe94705	Ad94705 Human PRO	283	1700	100.0	318	8	ADH28554	Adh28554 Human PRO
227	1700	100.0	318	8	ADe91116	Ad91116 Human PRO	284	1700	100.0	318	8	ADG54699	Adg54699 Novel hum
228	1700	100.0	318	8	ADe95257	Ad95257 Human PRO	285	1700	100.0	318	8	ADG59739	Adg59739 Novel hum
229	1700	100.0	318	8	ADe93367	Ad93367 Human PRO	286	1700	100.0	318	8	ADH20653	Adh20653 Human sec
230	1700	100.0	318	8	ADf34948	Adf34948 Human PRO	287	1700	100.0	318	8	ADH07508	Adh07508 Human sec
231	1700	100.0	318	8	ADe98727	Ad98727 Human sec	288	1700	100.0	318	8	ADH60053	Adh60053 Human sec
232	1700	100.0	318	8	ADe92263	Ad92263 Novel hum	289	1700	100.0	318	8	ADH07081	Adh07081 Human sec
233	1700	100.0	318	8	ADe90564	Ad90564 Human PRO	290	1700	100.0	318	8	ADi81163	Adi81163 Human PRO
234	1700	100.0	318	8	ADe91711	Ad91711 Novel hum	291	1700	100.0	318	8	ADi18823	Adi18823 Human sec
235	1700	100.0	318	8	ADe99154	Ad99154 Human sec	292	1700	100.0	318	8	ADi65543	Adi65543 Human sec
236	1700	100.0	318	8	ADG40624	Adg40624 Human sec	293	1700	100.0	318	8	ADi37802	Adi37802 Human sec

294	1700	100.0	318	8	ADG09906	Adg09906 Novel hum	XX					
295	1700	100.0	318	8	ADH97602	Adh97602 Human sec	PD	25-MAR-1999.				
296	1700	100.0	318	8	ADi15377	Adi15377 Novel hum	XX					
297	1700	100.0	318	8	ADG09254	Adg09254 Novel hum	PF	16-SEP-1998;	98WO-US019330.			
298	1700	100.0	318	8	ADi65970	Adi65970 Novel hum	XX					
299	1700	100.0	318	8	ADi114709	Adi114709 Novel hum	PR	17-SEP-1997;	97US-0059113P.			
300	1700	100.0	318	8	ADH60713	Adh60713 Human sec	PR	17-SEP-1997;	97US-0059115P.			
301	1700	100.0	318	8	ADi18304	Adi18304 Novel hum	PR	17-SEP-1997;	97US-0059117P.			
302	1700	100.0	318	8	ADj99770	Adj99770 Human sec	PR	17-SEP-1997;	97US-0059119P.			
303	1700	100.0	318	8	ADi08963	Adi08963 Human sec	PR	17-SEP-1997;	97US-0059121P.			
304	1700	100.0	318	8	ADm25304	Adm25304 Human sec	PR	17-SEP-1997;	97US-0059122P.			
305	1700	100.0	318	8	ADj63585	Adj63585 Novel hum	PR	17-SEP-1997;	97US-0059184P.			
306	1700	100.0	318	8	ADm30054	Adm30054 Human sec	PR	18-SEP-1997;	97US-0059263P.			
307	1700	100.0	318	8	ADj77480	Adj77480 Human PRO	PR	18-SEP-1997;	97US-0059266P.			
308	1700	100.0	318	8	ADj65602	Adj65602 Human PRO	PR	15-OCT-1997;	97US-0062125P.			
309	1700	100.0	318	8	ADm27738	Adm27738 Human PRO	PR	17-OCT-1997;	97US-0062285P.			
310	1700	100.0	318	8	ADm32139	Adm32139 Human Cos	PR	17-OCT-1997;	97US-0062287P.			
311	1700	100.0	318	8	ADm42462	Adm42462 Human PRO	PR	21-OCT-1997;	97US-0063486P.			
312	1700	100.0	318	8	ADo06376	Ado06376 Human PRO	PR	24-OCT-1997;	97US-0062814P.			
313	1700	100.0	318	8	ADm28324	Adm28324 Human PRO	PR	24-OCT-1997;	97US-0062816P.			
314	1700	100.0	318	8	ADr11228	Adr11228 Human sec	PR	24-OCT-1997;	97US-0063045P.			
315	1700	100.0	318	8	ADr18137	Adr18137 Human sec	PR	24-OCT-1997;	97US-0063120P.			
316	1700	100.0	318	8	ADi95806	Adi95806 Human PRO	PR	24-OCT-1997;	97US-0063121P.			
317	1700	100.0	318	8	ADi96358	Adi96358 Novel hum	PR	24-OCT-1997;	97US-0063127P.			
318	1700	100.0	318	8	ADe74776	Ad74776 Human sec	PR	24-OCT-1997;	97US-0063128P.			
319	1700	100.0	318	8	ADs32310	Ads32310 Novel hum	PR	27-OCT-1997;	97US-0063327P.			
320	1700	100.0	318	8	ADt03294	Adt03294 Human PRO	PR	27-OCT-1997;	97US-0063329P.			
321	1700	100.0	318	8	ADT03813	AdT03813 Human sec	PR	28-OCT-1997;	97US-0063541P.			
322	1700	100.0	318	9	ADz03345	Adz03345 Human sec	PR	28-OCT-1997;	97US-0063542P.			
323	1700	100.0	318	9	AEa38051	Aea38051 Human sec	PR	28-OCT-1997;	97US-0063544P.			
324	1700	100.0	318	9	AEb14091	Aeb14091 Cancer ce	PR	28-OCT-1997;	97US-0063549P.			

ALIGNMENTS

RESULT 1

AAY13402

ID AAY13402 standard; protein; 318 AA.

XX

AC AAY13402;

XX

DT 25-JUN-1999 (first entry)

XX

DE Amino acid sequence of protein PR0310.

XX

KW Secreted protein; transmembrane protein; human; enterocolitis;

KW Zollinger-Ellison syndrome; gastrointestinal ulceration;

KW congenital microvillus atrophy; skin disease; cell growth;

KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;

KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;

XX
PI Wood WI, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;
XX
DR WPI: 1999-329533/19.
XX N-PSDB; AAX52373.
XX
PT New isolated human genes and polypeptides used in, e.g. treatment of
XX gastrointestinal ulceration.
PT
PS Claim 12; Fig 120; 320pp; English.
XX
CC AAY13344-403 represent secreted and transmembrane human proteins. The
CC cDNA sequences are obtained from cDNA libraries, prepared from fetal
CC lung, fetal kidney, fetal brain, fetal liver and fetal retina. The
CC encoded polypeptides have specific uses based on their homology to known
CC polypeptides, e.g. PRO211 and PRO217 can be used for disorders associated
CC with the preservation and maintenance of gastrointestinal mucosa and the
CC repair of acute and chronic mucosal lesions (e.g. enterocolitis,
CC Zollinger-Ellison syndrome, gastrointestinal ulceration and congenital
CC microvillus atrophy), skin diseases associated with abnormal keratinocyte
CC differentiation (e.g. psoriasis, epithelial cancers such as lung squamous
CC cell carcinoma of the vulva and gliomas), potent effects on cell growth
CC and development, diseases related to growth or survival of nerve cells
CC including Parkinson's disease, Alzheimer's disease, ALS, neuropathies or
CC cancer. PRO265 can be used as for fibromodulin, e.g. for reducing dermal
CC scarring. PRO264 can be used as a target for anti-tumor drugs. PRO533 may
CC be used in the treatment of Usher Syndrome or Acrophia areata; PRO269 can
CC be used as an anti-thrombotic agent; PRO287 polypeptides and portions may
CC have therapeutic applications in wound healing and tissue repair; PRO317
CC can be used for treating problems of the kidney, uterus, endometrium,
CC blood vessels, or related tissue, e.g. in the heart of genital tract
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 2; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISED 60
DB 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISED 60
Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKSTWTGHCKAEFFSSENVKVFESINMDTNDMWL 120
DB 61 MELSKSFRVYCIILVKPKDVSLSMAAVKSTWTGHCKAEFFSSENVKVFESINMDTNDMWL 120
Oy 121 MMRKAYKAFDKYRDQYNFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180
DB 121 MMRKAYKAFDKYRDQYNFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180
Oy 181 VGMGGIVLSVSMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
DB 181 VGMGGIVLSVSMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
Oy 241 DGKDVNTKSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQHMVMYGVYRLRAF 300
DB 241 DGKDVNTKSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQHMVMYGVYRLRAF 300

DR N-PSDB; AAA96501.
XX
PT New human transmembrane proteins are used to treat a disease or condition
PT associated with decreased expression of functional HTPM e.g. Tourette's
PT disorder, angina and leukemia.
XX
PS Disclosure; Page 105-106; 130pp; English.
XX
CC The present sequence represents a human transmembrane proteins (HTMP).
CC Agonists and antagonists of the protein are used to treat a disease or
CC condition associated with overexpression of the protein. Diseases and
CC conditions which can be treated include cell proliferative,
CC immunological, reproductive, smooth muscle and neurological disorders
CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency
CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,
CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The
CC polynucleotides may be used to detect and quantify gene expression in
CC biopsied tissues where protein expression may be correlated with disease
CC e.g. to determine absence, presence or excess expression of HTPM or to
CC monitor regulation of HTPM expression during therapeutic intervention
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISED 60
DB 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISED 60
Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKSTWTGHCKAEFFSSENVKVFESINMDTNDMWL 120
DB 61 MELSKSFRVYCIILVKPKDVSLSMAAVKSTWTGHCKAEFFSSENVKVFESINMDTNDMWL 120
Oy 121 MMRKAYKAFDKYRDQYNFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180
DB 121 MMRKAYKAFDKYRDQYNFFLARPTTFAIENLKYFLLLKDDPSQPFYLGHTIKSGDLEY 180
Oy 181 VGMGGIVLSVSMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
DB 181 VGMGGIVLSVSMKRLNSLNIPEKCPGQGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
Oy 241 DGKDVNTKSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQHMVMYGVYRLRAF 300
DB 241 DGKDVNTKSVGLSIEAMTYHPNOVVGCCSDMAVTNGLTPNQHMVMYGVYRLRAF 300
Oy 301 HIFNDALVFLPPNGSDND 318
DB 301 HIFNDALVFLPPNGSDND 318

RESULT 3
ADC78653
ID ADC78653 standard; protein; 318 AA.
XX
AC ADC78653;

Oy 301 HIFNDALVFLPPNGSDND 318
DB 301 HIFNDALVFLPPNGSDND 318

RESULT 2
AAB18988
ID AAB18988 standard; protein; 318 AA.
XX
AC AAB18988;
XX
DT 08-FEB-2001 (first entry)
XX
DE Amino acid sequence of a human transmembrane protein.
XX
KW Human; transmembrane protein; cell proliferation disorder; myeloma;
KW reproductive disorder; smooth muscle disorder; neurological disorder;
KW arteriosclerosis; leukaemia; acquired immunodeficiency syndrome; AIDS;
KW allergy; ovulatory defect; angina; hypertension; stroke; epilepsy;
KW Alzheimer's disease; Tourette's disorder.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Modified-site 56
FT /note= "potential phosphorylation site"
FT Modified-site 66
FT /note= "potential phosphorylation site"
FT Modified-site 172
FT /note= "potential phosphorylation site"
FT Modified-site 180
FT /note= "potential phosphorylation site"
FT Modified-site 193
FT /note= "potential phosphorylation site"
FT Modified-site 254
FT /note= "potential phosphorylation site"
FT Modified-site 313
FT /note= "potential glycosylation site"
FT Modified-site 315
FT /note= "potential phosphorylation site"
XX
PN WO200056891-A2.
XX
PD 28-SEP-2000.
XX
PF 22-MAR-2000; 2000WO-US007817.
XX
PR 22-MAR-1999; 99US-0125537P.
PR 16-JUN-1999; 99US-0139565P.
XX
PA (INCY-) INCYTE PHARM INC.
XX
PI Yue H, Lal P, Tang YT, Hillman JL, Reddy R, Bandman O;
PI Baughn MR, Lu DAM, Azimzai Y, Yang J;
XX
DR WPI: 2000-579485/54.

XX
DT 01-JAN-2004 (first entry)
XX
DE Human PRO310 protein.
XX
KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;
KW neurotrophic; neuroprotective; vasotropic; chemotactic; angiogenic;
KW neurotrophic; osteopathic; antiaesthetic; antiarthritis; antirheumatic;
KW antiarteriosclerotic; cardiant; antidiabetic; cerebroprotective;
KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
KW diabetes; stroke; gene therapy; transgenic; PRO; human.
XX
OS Homo sapiens.
XX
PN WO200015796-A2.
XX
PD 23-MAR-2000.
XX
PF 15-SEP-1999; 99WO-US021090.
XX
PR 16-SEP-1998; 98WO-US019330.
XX
PI (GETH) GENENTECH INC.
XX
PI Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;
PI Yuan J;
XX
DR WPI: 2000-271434/23.
DR N-PSDB; ADC78652.
XX
PT Novel nucleic acids encoding secreted and transmembrane polypeptides with
PT homology, e.g. to growth and cancer-associated antigens.
XX
PS
XX
PS Claim 12; SEQ ID NO 341; 355pp; English.
XX
CC The invention relates to a novel nucleic acid encoding a PRO polypeptide.
CC The polypeptides and polynucleotides of the invention may be useful as
CC research tools and as therapeutics for treating enterocolitis, Zollinger-
CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal
CC scarring and wound healing, nerve repair, thrombosis, bone and/or
CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
CC infertility, premature aging, AIDS, diabetes complications and stroke.
CC The molecules may also be utilised during gene therapy procedures and
CC transgenic animal production. The current sequence is that of the human
CC PRO protein of the invention.
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60
 |||||
 Db 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60

Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKETWTGKCDKAEFFSSSENKVFESINMDTNDMWL 120
 |||||
 Db 61 MELSKSFRVYCIILVKPKDVSLSMAAVKETWTGKCDKAEFFSSSENKVFESINMDTNDMWL 120

Oy 121 MMRKAYKAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180
 |||||
 Db 121 MMRKAYKAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

Oy 181 VGMGGIVLSVESMKRLNSLLNIPEKCPGQGMWKISEDQLAVCLKYAGVFAENAEDA 240
 |||||
 Db 181 VGMGGIVLSVESMKRLNSLLNIPEKCPGQGMWKISEDQLAVCLKYAGVFAENAEDA 240

Oy 241 DGKDVFNKSVGLSIKEANTYHPNQVVEGCCDMAVTFNGLTPNQMHVMYGVYLRAPG 300
 |||||
 Db 241 DGKDVFNKSVGLSIKEANTYHPNQVVEGCCDMAVTFNGLTPNQMHVMYGVYLRAPG 300

Oy 301 HIFNDALVFLPPNGSDND 318
 |||||
 Db 301 HIFNDALVFLPPNGSDND 318

RESULT 4

AAB80270
 ID AAB80270 standard; protein; 318 AA.
 XX
 AC AAB80270;
 XX
 DT 24-APR-2001 (first entry)
 XX
 DE Human PRO310 protein.
 XX
 KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;
 KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
 KW antiangiogenic; vasotropic; antiaesthetic; antirheumatic; cancer;
 KW antiarthritic; antiinfertility; antidiabetic; antiviral; diabetes;
 KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;
 KW ischaemia; inflammation.
 XX
 OS Homo sapiens.
 XX
 PN W0200104311-A1.
 XX
 PD 18-JAN-2001.
 XX
 PF 22-FEB-2000; 2000WO-US004414.
 XX
 PR 07-JUL-1999; 99US-0143048P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 28-JUL-1999; 99US-0146222P.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.

Oy 121 MMRKAYKAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180
 |||||
 Db 121 MMRKAYKAFDKYRDQYNMFFLARPTTFAIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

Oy 181 VGMGGIVLSVESMKRLNSLLNIPEKCPGQGMWKISEDQLAVCLKYAGVFAENAEDA 240
 |||||
 Db 181 VGMGGIVLSVESMKRLNSLLNIPEKCPGQGMWKISEDQLAVCLKYAGVFAENAEDA 240

Oy 241 DGKDVFNKSVGLSIKEANTYHPNQVVEGCCDMAVTFNGLTPNQMHVMYGVYLRAPG 300
 |||||
 Db 241 DGKDVFNKSVGLSIKEANTYHPNQVVEGCCDMAVTFNGLTPNQMHVMYGVYLRAPG 300

Oy 301 HIFNDALVFLPPNGSDND 318
 |||||
 Db 301 HIFNDALVFLPPNGSDND 318

RESULT 5

AAU12358
 ID AAU12358 standard; protein; 318 AA.
 XX
 AC AAU12358;
 XX
 DT 24-OCT-2001 (first entry)
 XX
 DE Human PRO310 polypeptide sequence.
 XX
 KW Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
 KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
 KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
 KW A-peptide; factor VIIA; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN W0200140466-A2.
 XX
 PD 07-JUN-2001.
 XX
 PF 01-DEC-2000; 2000WO-US032678.
 XX
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 09-DEC-1999; 99US-0170262P.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US000365.
 PR 18-FEB-2000; 2000WO-US000431.
 PR 18-FEB-2000; 2000WO-US000432.

PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 05-JAN-2000; 2000WO-US000219.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Aahkenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin LJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;
 XX
 DR WPI; 2001-081051/09.
 DR N-PSDB; AAF72431.
 XX
 PT Sixty one nucleic acids encoding PRO polypeptides which are useful in the
 PT treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous
 PT cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's
 PT disease).
 XX
 PS Claim 1; Fig 120; 393pp; English.
 XX
 CC The present sequence is one of sixty one novel secreted and transmembrane
 CC PRO polypeptides. The PRO polypeptides are useful for treating skin
 CC diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma),
 CC gastrointestinal disorders (e.g. enterocolitis), neurodegenerative
 CC diseases (e.g. Alzheimer's disease, Parkinson's disease), wound repair,
 CC cardiovascular disorders (e.g. endometrial bleeding angiogenesis,
 CC ischaemias such as coronary ischaemia, atherosclerosis), inflammatory
 CC disorders (e.g. asthma, rheumatoid arthritis, multiple sclerosis),
 CC infertility, AIDS and diabetes and retinal disorders such as retinitis
 CC pigmentosum. The PRO nucleic acids have applications in molecular
 CC biology, including use as hybridization probes, and in chromosome and
 CC gene mapping
 XX
 SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 4; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60
 |||||
 Db 1 MLSSSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHLLQAPNKSDILKISEDER 60

Oy 61 MELSKSFRVYCIILVKPKDVSLSMAAVKETWTGKCDKAEFFSSSENKVFESINMDTNDMWL 120
 |||||
 Db 61 MELSKSFRVYCIILVKPKDVSLSMAAVKETWTGKCDKAEFFSSSENKVFESINMDTNDMWL 120

PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020719.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 XX
 PA (GETH) GENENTECH INC.
 XX

PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2001-408281/43.
 DR N-PSDB; AAS21430.
 XX

PT Isolated, secretory and transmembrane PRO polypeptide used to detect
 PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
 PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
 PT breast, prostate, cervical.
 XX

PS Claim 12; Fig 374; 813pp; English.

CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO
 CC polypeptides. The PRO polypeptides are useful to detect other PRO
 CC polypeptides, to link bioactive molecules to cells expressing PRO
 CC polypeptides, to modulate biological activities of cells expressing PRO
 CC polypeptides, and to detect the presence of mammalian lung, colon,
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
 CC polypeptide expression in a cell sample to that in a control sample. Some
 CC of the 275 sequences are also useful to stimulate the release of tumour
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
 CC differentiation of chondrocytes, the proliferation or gene expression in
 CC pericyte cells, the release of proteoglycans from cartilage, the
 CC proliferation of inner ear utricular supporting cells or of T-
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
 CC VIIA. The PRO polypeptides can be used in assays to identify molecules
 CC involved in binding interactions. The polynucleotides encoding PRO

CC polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 4; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60
Db 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60
Oy 61 MELSLSFRVYCIILVKPKDVSLSMAAVKGTWTGKCDKASFFSSENKVFESINMDTNDMWL 120
Db 61 MELSLSFRVYCIILVKPKDVSLSMAAVKGTWTGKCDKASFFSSENKVFESINMDTNDMWL 120
Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIINLKYFLKKDPSOPFFLGHTIKSGDLEY 180
Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIINLKYFLKKDPSOPFFLGHTIKSGDLEY 180
Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
Oy 241 DGKDVFNKTSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLRAFG 300
Db 241 DGKDVFNKTSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLRAFG 300
Oy 301 HIFNDALVFLPPNGSDND 318
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 6

ABU71648

ID ABU71648 standard; protein; 318 AA.

XX

AC ABU71648;

XX

DT 16-JUN-2003 (first entry)

XX

DE Human PRO polypeptide #59.

XX

KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW pathological disorder; cardiac insufficiency disorder; protein secretion;
KW pancreas; diabetes; gastrointestinal mucosa; mucosal lesion; psoriasis;
KW skin disease; keratinocyte differentiation; epithelial cancer; tumour;
KW lung squamous cell carcinoma; epidermoid carcinoma; vulva; glioma;
KW cytostatic; cardiant; endocrine; antidiabetic; gastrointestinal;
KW antiulcer; dermatological; vulnerary.

XX

OS Homo sapiens.

XX

PN US2002146709-A1.

XX

PD 10-OCT-2002.

PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 05-JAN-2000; 2000WO-US000219.
PR 11-FEB-2000; 2000WO-US003565.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00665350.

PA (GETH) GENENTECH INC.

XX

PI Aashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;

PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MS, Goddard A;

PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;

PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;

PI Williams PM, Wood WI;

XX

DR WPI; 2003-328338/31.

DR N-PSDB; ACAS9177.

XX

PT Isolated nucleic acid useful for e.g., treating pathological disorders
PT encodes a secreted or transmembrane protein.

XX

PS Claim 12; Fig 120; 473pp; English.

XX

CC The invention relates to human PRO polypeptides (secreted or
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC PRO polypeptides and polynucleotides can be used in treating pathological
CC disorders and tumours, in therapeutic treatment of cardiac insufficiency
CC disorders and in therapeutic treatment of disorders involving protein
CC secretion by the pancreas, including diabetes. They can also be used in
CC treating disorders associated with the preservation and maintenance of
CC gastrointestinal mucosa and the repair of acute and chronic mucosal
CC lesions, and skin diseases associated with abnormal keratinocyte
CC differentiation (e.g., psoriasis, epithelial cancers such as lung
CC squamous cell carcinoma, epidermoid carcinoma of the vulva and gliomas).
CC The sequences can be used as molecular markers for protein
CC electrophoresis purposes and can be utilised in protein-protein binding
CC assays, biochemical screening assays, immunoassays and cell-based assays.
CC This sequence represents a human PRO polypeptide of the invention

XX
PF 18-JUL-2001; 2001US-00909088.

XX

PR 17-SEP-1997; 97US-0059113P.

PR 17-SEP-1997; 97US-0059115P.

PR 17-SEP-1997; 97US-0059117P.

PR 17-SEP-1997; 97US-0059119P.

PR 17-SEP-1997; 97US-0059121P.

PR 17-SEP-1997; 97US-0059122P.

PR 17-SEP-1997; 97US-0059184P.

PR 18-SEP-1997; 97US-0059263P.

PR 18-SEP-1997; 97US-0059266P.

PR 15-OCT-1997; 97US-0062125P.

PR 17-OCT-1997; 97US-0062285P.

PR 17-OCT-1997; 97US-0062287P.

PR 21-OCT-1997; 97US-0063486P.

PR 24-OCT-1997; 97US-0062814P.

PR 24-OCT-1997; 97US-0062816P.

PR 24-OCT-1997; 97US-0063045P.

PR 24-OCT-1997; 97US-0063120P.

PR 24-OCT-1997; 97US-0063121P.

PR 24-OCT-1997; 97US-0063127P.

PR 24-OCT-1997; 97US-0063128P.

PR 27-OCT-1997; 97US-0063327P.

PR 27-OCT-1997; 97US-0063329P.

PR 28-OCT-1997; 97US-0063541P.

PR 28-OCT-1997; 97US-0063542P.

PR 28-OCT-1997; 97US-0063544P.

PR 28-OCT-1997; 97US-0063549P.

PR 28-OCT-1997; 97US-0063550P.

PR 28-OCT-1997; 97US-0063564P.

PR 29-OCT-1997; 97US-0063435P.

PR 29-OCT-1997; 97US-0063704P.

PR 29-OCT-1997; 97US-0063732P.

PR 29-OCT-1997; 97US-0063734P.

PR 29-OCT-1997; 97US-0063735P.

PR 29-OCT-1997; 97US-0063738P.

PR 29-OCT-1997; 97US-0064215P.

PR 31-OCT-1997; 97US-0063870P.

PR 31-OCT-1997; 97US-0064103P.

PR 03-NOV-1997; 97US-0064248P.

PR 07-NOV-1997; 97US-0064809P.

PR 12-NOV-1997; 97US-0065186P.

PR 17-NOV-1997; 97US-0065846P.

PR 18-NOV-1997; 97US-0065693P.

PR 21-NOV-1997; 97US-0066120P.

PR 21-NOV-1997; 97US-0066364P.

PR 24-NOV-1997; 97US-0066453P.

PR 24-NOV-1997; 97US-0066466P.

PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.

PR 24-NOV-1997; 97US-0066772P.

PR 10-SEP-1998; 98WO-US018824.

PR 14-SEP-1998; 98WO-US019177.

PR 16-SEP-1998; 98WO-US019330.

PR 17-SEP-1998; 98WO-US019437.

PR 01-DEC-1998; 98WO-US025108.

XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60
Db 1 MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHLLQAPNKEDILKISSEDER 60
Oy 61 MELSLSFRVYCIILVKPKDVSLSMAAVKGTWTGKCDKASFFSSENKVFESINMDTNDMWL 120
Db 61 MELSLSFRVYCIILVKPKDVSLSMAAVKGTWTGKCDKASFFSSENKVFESINMDTNDMWL 120
Oy 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIINLKYFLKKDPSOPFFLGHTIKSGDLEY 180
Db 121 MMRKAYKYAFDKYRDQYNMFFLARPTTFIINLKYFLKKDPSOPFFLGHTIKSGDLEY 180
Oy 181 VGMGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
Db 181 VGMGGIVLSVESMKRLNSLLNIPKCPQGGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
Oy 241 DGKDVFNKTSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLRAFG 300
Db 241 DGKDVFNKTSVGLSIKEAMTYHPNOVVEGCCSDMAVTFNGLTPNQGHVMYGVYRLRAFG 300
Oy 301 HIFNDALVFLPPNGSDND 318
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 7

ABO17802

ID ABO17802 standard; protein; 318 AA.

XX

AC ABO17802;

XX

DT 26-AUG-2003 (first entry)

XX

DE Novel human secreted and transmembrane protein PRO310.

XX

KW Human; secreted and transmembrane protein; PRO; antiinflammatory;
KW antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic;
KW antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;
KW TNF-alpha release; cell proliferation; cell differentiation;
KW gene expression modulator; proteoglycan release; cytokine release;
KW tumour; inflammatory disease; organ failure; atherosclerosis;
KW cardiac injury; infertility; birth defect; premature aging; AIDS;
KW acquired immunodeficiency syndrome; cancer; diabetic complication;
KW chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;
KW bioreactor; tissue typing.

XX

OS Homo sapiens.

XX

PN US2003032156-A1.

XX

PD 13-FEB-2003.
XX
PF 06-MAY-2002; 2002US-00140474.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.

PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866029.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-341980/32.
DR N-PSDB; ACD24039.
XX
PT New secreted and transmembrane PRO nucleic acids, for treating

PT inflammation, organ failure, atherosclerosis, cardiac injury,
PT infertility, birth defects, premature aging, acquired immunodeficiency
PT syndrome (AIDS), or cancer.
XX
PS Claim 12; Fig 374; 660pp; English.
XX
CC The invention describes an isolated nucleic acid (I) comprising, or which
CC has 80 % sequence identity to, or the full-length coding sequence of, one
CC of 275 nucleotide sequences, and which encodes a corresponding
CC polypeptide selected from 275 amino acid sequences, where all sequences
CC are given in the specification. The polypeptide encoded by (I) is used to
CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
CC release of tumour necrosis factor (TNF)-alpha from human blood, modulate
CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
CC the proliferation or differentiation of cells or gene expression,
CC stimulate the release of proteoglycans, stimulate the release of cytokine
CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
CC to factor VIIA, or detect the presence of tumour in a mammal. The nucleic
CC acid and polypeptide encoded by it, are useful for treating inflammatory
CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
CC birth defects, premature aging, acquired immunodeficiency syndrome
CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
CC hybridisation probes, in chromosome and gene mapping, and in generating
CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
CC This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 MLESSSSFLKDVMLGSI FCA LITMLGHRIRIGHGNRHHHHLQA PNKEDILKIS EDER 60
Db 1 MLESSSSFLKDVMLGSI FCA LITMLGHRIRIGHGNRHHHHLQA PNKEDILKIS EDER 60
Oy 61 MELSKSFRVYCI ILVKPKDVS LMAAVKETMTWKDCASFPSSSENVKVFES INMDTNM DML 120
Db 61 MELSKSFRVYCI ILVKPKDVS LMAAVKETMTWKDCASFPSSSENVKVFES INMDTNM DML 120
Oy 121 MMRKAYKAFDKYRDQYNNFFLARPTTFAI IENLKYFLKKDPSOPFYLGHTIKSGDLEY 180
Db 121 MMRKAYKAFDKYRDQYNNFFLARPTTFAI IENLKYFLKKDPSOPFYLGHTIKSGDLEY 180
Oy 181 VGMGGIVLSVESMKRLNLSLNI PEKCEPQQGMWKISSEKGLAVCLKYAGVFAENAEDA 240
Db 181 VGMGGIVLSVESMKRLNLSLNI PEKCEPQQGMWKISSEKGLAVCLKYAGVFAENAEDA 240
Oy 241 DGKDVFNITKSVGLSI KEAMTYRPNQVVEGCCSDMAVTNGLTPNQGVMYGVYRLAFGP 300
Db 241 DGKDVFNITKSVGLSI KEAMTYRPNQVVEGCCSDMAVTNGLTPNQGVMYGVYRLAFGP 300
Oy 301 HIFNDALVFLPPNGSDND 318
Db 301 HIFNDALVFLPPNGSDND 318

Db 301 HIFNDALVFLPPNGSDND 318
XX
RESULT 8
ID ABU71503 standard; protein; 318 AA.
XX
AC ABU71503;
XX
DT 10-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #59.
XX
KW Human; secreted and transmembrane protein; PRO polypeptide; cancer;
KW Alzheimer's disease; ischaemia; cytostatic; nootropic; vasotropic;
KW neuroprotective.
XX
OS Homo sapiens.
XX
PN US2002192659-A1.
XX
PD 19-DEC-2002.
XX
PF 10-JUL-2001; 2001US-00902853.
XX
PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059117P.
PR 17-SEP-1997; 97US-0059119P.
PR 17-SEP-1997; 97US-0059121P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 15-OCT-1997; 97US-0062125P.
PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063814P.
PR 24-OCT-1997; 97US-0063816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 24-OCT-1997; 97US-0063127P.
PR 24-OCT-1997; 97US-0063128P.
PR 27-OCT-1997; 97US-0063327P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063542P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063549P.
PR 28-OCT-1997; 97US-0063550P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0063704P.
PR 29-OCT-1997; 97US-0063732P.
PR 29-OCT-1997; 97US-0063734P.

PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 29-OCT-1997; 97US-0064215P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 03-NOV-1997; 97US-0064248P.
PR 07-NOV-1997; 97US-0064809P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 18-NOV-1997; 97US-0065693P.
PR 21-NOV-1997; 97US-0066120P.
PR 21-NOV-1997; 97US-0066364P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066511P.
PR 24-NOV-1997; 97US-0066770P.
PR 24-NOV-1997; 97US-0066772P.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 01-DEC-1998; 98WO-US025108.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 05-JAN-2000; 2000WO-US000219.
PR 11-FEB-2000; 2000WO-US003565.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00665350.
XX
PA (G8TH) GENENTECH INC.
XX
PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
PI Williams PM, Wood WI;
XX
DR WPI; 2003-361832/34.

DR N-PSDB; ACA58574.
XX
PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO245 or
PRO1868, useful in molecular biology, chromosome and gene mapping, in
generating antisense RNA and DNA, and in gene therapy.
PT
XX
PS Claim 12; Fig 120; 474pp; English.
XX
CC The present invention relates to the isolation of novel human secreted
CC and transmembrane proteins (PRO polypeptides), and the polynucleotide
CC sequences encoding them. The polynucleotide sequences are useful in
CC molecular biology, as hybridisation probes, in chromosome and gene
CC mapping, in generating antisense RNA and DNA, and in gene therapy. The
CC polynucleotide sequences may also be used in preparing PRO polypeptides
CC by recombinant techniques, and in generating either transgenic animals or
CC knock-out animals which, in turn, are useful in the development and
CC screening of therapeutically useful reagents. The PRO polypeptides or
CC their antibodies are useful in preparing a medicament for treating a
CC condition responsive to the polypeptide or antibody, such as cancer,
CC Alzheimer's disease or ischaemia, and in various diagnostic assays.
CC ABU71445-ABU71505 represent human PRO polypeptides of the invention
XX
SQ Sequence 318 AA;
Query Match 100.0%; Score 1700; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLSESSSFLKGVMLGSI PCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISIDER 60
Db 1 MLSESSSFLKGVMLGSI PCALITMLGHIRIGHGNRMHHHHHLLQAPNKEDILKISIDER 60
Qy 61 MELSKSFRVYCIILVKPKDVSLLAAVKTWTQKDKAEFFSSENVKVFESINMDTNDMWL 120
Db 61 MELSKSFRVYCIILVKPKDVSLLAAVKTWTQKDKAEFFSSENVKVFESINMDTNDMWL 120
Qy 121 MGRKAYKYAFDKYRDQYNNFFFLARPTTFATIEHLKYFLKKDQSPQFFLGHITKSDLEY 180
Db 121 MGRKAYKYAFDKYRDQYNNFFFLARPTTFATIEHLKYFLKKDQSPQFFLGHITKSDLEY 180
Qy 181 VQMEGGIVLSVESMKRLNSLNIPEKCPQGGMIWKISEDKQLAVCLKYAGVFAENADA 240
Db 181 VQMEGGIVLSVESMKRLNSLNIPEKCPQGGMIWKISEDKQLAVCLKYAGVFAENADA 240
Qy 241 DGKDVFTKTSVGLSIKEAMTYHFNQVVEGCCSDMAVTFNGLTPNQHMVHYGVYLRAPG 300
Db 241 DGKDVFTKTSVGLSIKEAMTYHFNQVVEGCCSDMAVTFNGLTPNQHMVHYGVYLRAPG 300
Qy 301 HIFNDALVFLPPHSGSDND 318
Db 301 HIFNDALVFLPPHSGSDND 318
RESULT 9
ABU81056
ID ABU81056 standard; protein; 318 AA.
XX

AC ABU81056;
XX
DT 23-JUN-2003 (first entry)
XX
DS Human PRO polypeptide #187.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;
KW antidiabetic; anorectic; vulnerary; antiarthritic; osteopathic;
KW antirheumatic; auditory; cerebroprotective; angiogenic.
XX
OS Homo sapiens.
XX
PN US2003004311-A1.
XX
PD 02-JAN-2003.
XX
PF 19-DEC-2001; 2001US-00028072.
XX
PR 18-JUN-1997; 97US-0049911P.
PR 26-AUG-1997; 97US-0056974P.
PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059117P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 19-SEP-1997; 97US-0059352P.
PR 19-SEP-1997; 97US-0059588P.
PR 24-SEP-1997; 97US-0059836P.
PR 17-OCT-1997; 97US-0062250P.
PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.
PR 17-OCT-1997; 97US-0063755P.
PR 24-OCT-1997; 97US-0062814P.
PR 24-OCT-1997; 97US-0062816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063082P.
PR 24-OCT-1997; 97US-0063127P.
PR 27-OCT-1997; 97US-0063327P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063550P.
PR 28-OCT-1997; 97US-0063561P.
PR 29-OCT-1997; 97US-0063704P.
PR 29-OCT-1997; 97US-0063733P.
PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 03-NOV-1997; 97US-0064248P.
PR 07-NOV-1997; 97US-0064809P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 21-NOV-1997; 97US-0066364P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.
PR 11-DEC-1997; 97US-0069212P.
PR 11-DEC-1997; 97US-0069278P.
PR 11-DEC-1997; 97US-0069334P.
PR 16-DEC-1997; 97US-0069694P.
PR 23-JAN-1998; 98US-0072320P.
PR 04-FEB-1998; 98US-0073612P.
PR 09-FEB-1998; 98US-0074086P.
PR 09-FEB-1998; 98US-0074092P.
PR 12-MAR-1998; 98US-0077791P.
PR 20-MAR-1998; 98US-0078910P.
PR 25-MAR-1998; 98US-0079294P.
PR 27-MAR-1998; 98US-0079663P.
PR 31-MAR-1998; 98US-0080165P.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Deanoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-352836/33.
DR N-PSDB; ACA67180.
XX
PT New isolated PRO polypeptide useful for treating diabetes, rheumatoid
PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
PT heart attack.
XX
PS Claim 12; Fig 374; 643pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the treatment of diabetes, bone and/or cartilage disorders
CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
CC hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
CC assays for PRO, by detecting its expression in specific cells, tissues or
CC serum, and for affinity purification of PRO from recombinant cell culture
CC or natural sources. ABUS08070-ABUS1144 represent the human PRO
CC polypeptides of the invention. Note: The sequence data for this patent
CC was obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipaDIDEntry.html
XX
SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLESSSSFLKGVMLGSI FCA LITMLGHI RIGHGNRMGHHHHHLLQAPNKEDILKISEDER 60
Db 1 MLESSSSFLKGVMLGSI FCA LITMLGHI RIGHGNRMGHHHHHLLQAPNKEDILKISEDER 60
Oy 61 MELSKSFRVYCI ILVKPKDVS LAAAVKETWTXKCDKAEFFSSENVKVFESINMDTNDMWL 120
Db 61 MELSKSFRVYCI ILVKPKDVS LAAAVKETWTXKCDKAEFFSSENVKVFESINMDTNDMWL 120
Oy 121 MMRKAYKAFDKYRDQYNMFLLARPITTFAIENLKYFLLLKDDPSQPPYLGHITKSGDLEY 180
Db 121 MMRKAYKAFDKYRDQYNMFLLARPITTFAIENLKYFLLLKDDPSQPPYLGHITKSGDLEY 180

Oy 181 VOMEGGIVLSVBSMKRLNLSLLNIPSKCPEQGGNWKISDDKQLAVCLKYAGVFAENADA 240
Db 181 VOMEGGIVLSVBSMKRLNLSLLNIPSKCPEQGGNWKISDDKQLAVCLKYAGVFAENADA 240
Oy 241 DGKDVNTKSVGLSIKSAAMTHPNQVVEGCCSDMAVTFNGLTPHNGHVMYGVYRLRAFG 300
Db 241 DGKDVNTKSVGLSIKSAAMTHPNQVVEGCCSDMAVTFNGLTPHNGHVMYGVYRLRAFG 300
Oy 301 HIFNDALVFLPPNGSDND 318
Db 301 HIFNDALVFLPPNGSDND 318

RESULT 10
ABU71949
ID ABU71949 standard; protein; 318 AA.
XX
AC ABU71949;
XX
DT 12-JUN-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO310.
XX
KW Human; secreted protein; transmembrane protein; PRO; gene therapy;
KW chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003003530-A1.
XX
PD 02-JAN-2003.
XX
PF 11-JUL-2001; 2001US-00904011.
XX

PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059117P.
PR 17-SEP-1997; 97US-0059119P.
PR 17-SEP-1997; 97US-0059121P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 15-OCT-1997; 97US-0062125P.
PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0062814P.
PR 24-OCT-1997; 97US-0062816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 24-OCT-1997; 97US-0063127P.
PR 24-OCT-1997; 97US-0063128P.
PR 27-OCT-1997; 97US-0063327P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063541P.

PR 28-OCT-1997; 97US-0063542P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063549P.
PR 28-OCT-1997; 97US-0063550P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0063704P.
PR 29-OCT-1997; 97US-0063732P.
PR 29-OCT-1997; 97US-0063734P.
PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 29-OCT-1997; 97US-0064215P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 03-NOV-1997; 97US-0064248P.
PR 07-NOV-1997; 97US-0064809P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 18-NOV-1997; 97US-0065693P.
PR 21-NOV-1997; 97US-0066120P.
PR 21-NOV-1997; 97US-0066364P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066511P.
PR 24-NOV-1997; 97US-0066770P.
PR 24-NOV-1997; 97US-0066772P.
PR 10-SEP-1998; 98WO-US011824.
PR 14-SEP-1998; 98WO-US011917.
PR 16-SEP-1998; 98WO-US011930.
PR 17-SEP-1998; 98WO-US011943.
PR 01-DEC-1998; 98WO-US025108.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 05-JAN-2000; 2000WO-US000219.
PR 11-FEB-2000; 2000WO-US003565.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00665350.
XX

PA (GETH) GENENTECH INC.
XX
PI Ashkenazi A, Botstein D, Deanoyers L, Eaton DL, Ferrara N;
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Klijavin IJ;
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D, Watanabe CK, Wood WI;
XX
DR WPI; 2003-329602/31.
DR N-PSDB; ACA60281.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, in generating probes and in tissue typing.
XX
PS Claim 12; Fig 120; 484pp; English.

CC The invention relates to an isolated nucleic acid with at least 80%
CC nucleic acid sequence identity to a nucleotide sequence encoding one of
CC 61 secreted/transmembrane polypeptides, or PRO polypeptides or encoding a
CC PRO protein extracellular domain. Also included are a vector comprising
CC the PRO nucleic acid, a host cell comprising the vector, producing a PRO
CC polypeptide (by culturing the host cell for the expression of the PRO
CC polypeptide, and recovering the PRO polypeptide from the cell culture),
CC an isolated PRO polypeptide (having at least 80% sequence identity to:
CC a) an amino acid sequence selected from the 61 PRO proteins; (b) an amino
CC acid sequence encoded by a nucleic acid molecule deposited with an ATCC
CC number (detailed in the specification); or (c) an extracellular domain of
CC a PRO polypeptide or to a PRO polypeptide lacking its associated signal
CC peptide), a chimeric molecule comprising a PRO polypeptide of fused to a
CC heterologous amino acid sequence, an anti-PRO antibody, detecting a
CC PRO245 or PRO1868 in a sample suspected of containing the polypeptide,
CC linking a bioactive molecule to a cell expressing a PRO245 or PRO1868 and
CC modulating at least one biological activity of a cell expressing a PRO245
CC or PRO1868. Nucleic acids which encode PRO can be used to generate either
CC transgenic animals or knock-out animals which may be used in the
CC development and screening of therapeutically useful reagents. The nucleic
CC acids may also be used in gene therapy, in chromosome identification, as
CC chromosome markers, or in generating probes. The PRO polypeptides are
CC useful as molecular markers for protein electrophoresis, and the isolated
CC nucleic acids may be used for recombinantly expressing those markers. The
CC PRO polypeptides and nucleic acids may also be used in tissue typing.
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, and in
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. The present sequence represents a PRO protein

SQ Sequence 318 AA;
Query Match 100.0%; Score 1700; DB 6; Length 318;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MLESSSSFLKGVMLGSI FCA LITMLGHI RIGHGNRMGHHHHHLLQAPNKEDILKISEDER 60
Db 1 MLESSSSFLKGVMLGSI FCA LITMLGHI RIGHGNRMGHHHHHLLQAPNKEDILKISEDER 60
Oy 61 MELSKSFRVYCI ILVKPKDVS LAAAVKETWTXKCDKAEFFSSENVKVFESINMDTNDMWL 120

OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 06:50:29 ; Search time 5115 Seconds
(without alignments)
10635.226 Million cell updates/sec

Title: US-10-661-049-2
Perfect score: 957
Sequence: 1 atgctttctgaaagcagctc.....atggcttctgacaatgactga 957

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 2842172563 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : GenEmbl.*
1: gb_ba.*
2: gb_in.*
3: gb_env.*
4: gb_om.*
5: gb_ov.*
6: gb_pat.*
7: gb_ph.*
8: gb_pr.*
9: gb_ro.*
10: gb_sta.*
11: gb_sy.*
12: gb_un.*
13: gb_vi.*
14: gb_htg.*
15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	957	100.0	1192	8	BC011930	BC011930 Homo sapi
2	957	100.0	1404	8	BC050441	BC050441 Homo sapi

3	957	100.0	1471	8	AB084170	AB084170 Homo sapi
4	957	100.0	1492	6	C0729548	C0729548 Sequence
5	957	100.0	1492	8	AY159319	AY159319 Homo sapi
6	957	100.0	1572	6	BD075648	BD075648 Secretary
7	957	100.0	1572	6	BD172508	BD172508 Secreted
8	957	100.0	1572	6	BD172827	BD172827 Secreted
9	957	100.0	1572	6	BD173146	BD173146 Secreted
10	957	100.0	1572	6	BD173465	BD173465 Secreted
11	957	100.0	1572	6	BD175499	BD175499 Secretary
12	957	100.0	1572	6	AR410879	AR410879 Sequence
13	957	100.0	1572	6	AR439243	AR439243 Sequence
14	957	100.0	1572	6	AR473263	AR473263 Sequence
15	957	100.0	1572	6	AR527249	AR527249 Sequence
16	957	100.0	1572	6	AR566282	AR566282 Sequence
17	957	100.0	1572	6	AR592300	AR592300 Sequence
18	957	100.0	1572	6	AR604574	AR604574 Sequence
19	957	100.0	1572	6	AR605160	AR605160 Sequence
20	957	100.0	1572	6	AR613825	AR613825 Sequence
21	957	100.0	1572	6	AR635996	AR635996 Sequence
22	957	100.0	1572	6	AR650725	AR650725 Sequence
23	957	100.0	1572	6	AR657666	AR657666 Sequence
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25	957	100.0	1572	6	AX697749	AX697749 Sequence
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c 27	957	100.0	158907	8	AC011890	AC011890 Homo sapi
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29	956.6	100.0	1376	6	CO855181	CO855181 Sequence
30	955.4	99.8	1477	6	AR339340	AR339340 Sequence
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32	953.8	99.7	1605	8	HS238398	AJ238398 Homo sapi
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35	822	85.9	1114	6	AX256062	AX256062 Sequence
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37	803.8	84.0	1429	9	AB030184	AB030184 Mus muscu
38	803.8	84.0	1432	9	AY159320	AY159320 Mus muscu
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c 40	803.8	84.0	179289	9	AL159063	AL159063 Mouse DNA
41	799	83.5	1356	9	BC099818	BC099818 Rattus no
42	799	83.5	240800	14	AC095964	AC095964 Rattus no
43	799	83.5	274697	14	AC098240	AC098240 Rattus no
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45	602.2	62.9	261323	14	AC131849	AC131849 Rattus no

ALIGNMENTS

RESULT 1
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LOCUS BC011930 1192 bp mRNA linear PRI 06-MAR-2005
DEFINITION Homo sapiens CIGAL/TI-specific chaperone 1, transcript variant 2,
mRNA (cDNA clone MGC:19947 IMAGE:3355639), complete cds.
ACCESSION BC011930
VERSION BC011930.2 GI:33989208
KEYWORDS MGC.
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo
REFERENCE 1 (bases 1 to 1192)
AUTHORS Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD,
Collins FS, Wagner L, Shenmen OM, Schuler GD, Altschul SF, Zeeberg
B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T,
Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin
GM, Hong L, Stapleton M, Soares MB, Bonaldo MP, Casavant TL,
Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Carninci P,
Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy
SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA, Gunaratne PH,
Richards S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW,
Villalón DK, Muzny DM, Sodergren EJ, Lu X, Gibbs RA, Fahey J,
Heltson E, Kettman M, Madan A, Rodriguez S, Sanchez A, Whiting M,
Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW,
Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J,
Schmutz J, Myers RM, Butterfield YS, Krzywinski MI, Skaleka U,
Smailus DE, Schnerch A, Schein JE, Jones SJ and Marra MA.
Mammalian Gene Collection Program Team
Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
JOURNAL 12477932
PUBMED 2 (bases 1 to 1192)
REFERENCE Director MGC Project.
AUTHORS Direct Submission
TITLE Submitted (30-JUL-2001) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>
COMMENT On Aug 20, 2003 this sequence version replaced gi:15080349.
Contact: MGC help desk
Email: cgaph-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC),
Gaithersburg, Maryland;
Web site: <http://www.nisc.nih.gov/>
Contact: nisc_mgc@nhgri.nih.gov
Akhter, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,
Blakesley, R.W., Bouffard, G.O., Breen, K., Brinkley, C., Brooks, S.,
Dietrich, M.L., Granite, S., Guan, X., Gupta, J., Haghighi, P.,
Hansen, N., Ho, S.-L., Karlene, E., Kwong, P., Laric, P., Legaspi, R.,
Madsen, O.L., Masiello, C., Maakeri, B., Mastrian, S.D., McCloskey, J.C.,
McDowell, J., Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W.,
Taurgeon, C., Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L.,
Young, A., Zhang, L.-H. and Green, E.D.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAL Plate: 28 Row: b Column: 21
This clone was selected for full length sequencing because it

passed the following selection criteria: matched mRNA gi: 31542248.
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ORIGIN
Query Match 100.0%; Score 957; DB 8; Length 1192;
Best Local Similarity 100.0%; Pred. No. 3.6e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTCT 60
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Db 59 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTCT 118
Qy 61 TTGATCACTATGCTAGGACACATAGGATTTGGTATGGAATAGATGACACCATAG 120
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Db 119 TTGATCACTATGCTAGGACACATAGGATTTGGTATGGAATAGATGACACCATAG 178
Qy 121 CATCATCACTACAAGCTCCTTAAACAAGAGATATCTTGAAATTTGAGAGGATGAGGC 180
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Db 179 CATCATCACTACAAGCTCCTTAAACAAGAGATATCTTGAAATTTGAGAGGATGAGGC 238
Qy 181 ATGAGCTCAGTAAGAGCTTTCGAGTATCTGTATTTCTTTGTAATTAACCAAGATG 240
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Db 239 ATGAGCTCAGTAAGAGCTTTCGAGTATCTGTATTTCTTTGTAATTAACCAAGATG 298
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGCTTGGACCAACATCTGTGAACAGAGATTTCTTC 300
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Db 359 AGTTCGAAAAATGTTAAAGTGTTCAGTCAATTAATATGACACAAATGACATGGTTA 418
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Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
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RESULT 2
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LOCUS BC050441 1404 bp mRNA linear PRI 08-MAR-2005
DEFINITION Homo sapiens C1GALT1-specific chaperone 1, transcript variant 2, mRNA (cDNA clone MGC:54192 IMAGE:5724507), complete cds.
ACCESSION BC050441
VERSION BC050441.1 GI:29792192
KEYWORDS MGC.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1404)

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ORIGIN
Query Match 100.0%; Score 957; DB 8; Length 1404;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 130 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGGTGTGATGCTTGAAGCATTTTCTGTGCT 189
Oy 61 TTGATCACTATGCTAGGACACATTAAGATGGTTCATGGAATAGAAATGACACCATGAG 120
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Oy 361 ATGATGAGAAAGCTTCAAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420
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Db 610 AAGGATCCATCAGACCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 669

AUTHORS Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Heich F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TB, Brownstein MJ, Uesdin TB, Toshiyuki S, Carninci P, Sprange C, Bube SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA, Gunaratne PH, Richards S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW, Villalón DK, Muzny DM, Sodergren EJ, Lu X, Gibbs RA, Fahey J, Helton E, Kettman M, Madan A, Rodriguez S, Sanchez A, Whiting M, Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW, Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J, Schmutz J, Myers RM, Butterfield YS, Krzywinski MI, Skalska U, Smellus DE, Schnerch A, Schein JB, Jones SJ and Marra MA.
CONSRM Mammalian Gene Collection Program Team
TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
PUBMED 12477932
REFERENCE 2 (bases 1 to 1404)
AUTHORS Director MGC Project.
TITLE Direct Submission
JOURNAL Submitted (08-APR-2003) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>
COMMENT Contact: MGC help desk
Email: cgapbs-rt@mail.nih.gov
Tissue Procurement: Invitrogen
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www.shgc.stanford.edu>
Contact: (Dickson, Mark) mcdpaxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 98 Row: b Column: 13
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 31542248.

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Oy 601 CTCATATCCAGAAAAAGTGTCTGAAACAGGAGGAGATGATTGGAAGATATCTGAAGAT 660
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Oy 721 GATGGAAGAGATGATTATTAACCAAAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 780
Db 850 GATGGAAGAGATGATTATTAACCAAAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 909
Oy 781 TATCACCACCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTGTTACTTTTAATGGA 840
Db 910 TATCACCACCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTGTTACTTTTAATGGA 969
Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Db 970 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1029
Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
Db 1030 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1086

RESULT 3
AB084170
LOCUS AB084170 1471 bp mRNA linear PRI 04-DEC-2002
DEFINITION Homo sapiens C1Gal-T2 mRNA for beta1,3-galactosyltransferase, comple cds.
ACCESSION AB084170
VERSION AB084170.1 GI:26017174
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Kudo,T., Iwai,T., Kubota,T., Iwasaki,H., Takayma,Y., Hiruma,T., Inaba,N., Zhang,Y., Gotoh,M., Togayachi,A. and Narimatsu,H.
TITLE Molecular Cloning and Characterization of a Novel UDP-Gal:GalNAc6S Peptide beta 1,3-Galactosyltransferase (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan J. Biol. Chem. 277 (49), 47724-47731 (2002)
JOURNAL 12361956
PUBMED 2 (bases 1 to 1471)
REFERENCE
AUTHORS Kudo,T., Iwai,T., Iwasaki,H., Gotoh,M., Inaba,N., Hiruma,T., Togayachi,A. and Narimatsu,H.
TITLE Direct Submission
JOURNAL Submitted (19-APR-2002) Takaishi Kudo, National Institute of Advanced Industrial Science and Technology, Laboratory of Gene

Function Analysis, Institute of Molecular and Cell Biology;
Central-2, 1-1-1 Umezono, Tsukuba, Ibaraki 305-8586, Japan
(E-mail: t.kudoh@ist.go.jp, Tel: 81-298-61-3197, Fax: 81-298-61-3191)
Location/Qualifiers
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ORIGIN
Query Match 100.0%; Score 957; DB 8; Length 1471;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 105 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 164
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGACCAACATGAG 120
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Db 225 CATCATCACTCAAGCTCCTTAAAGAGAGATATCTGAAAATTTGAGAGATGAGCGC 284
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGTTATCTCTGTAATACCAAGATGAG 240
Db 285 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGTTATCTCTGTAATACCAAGATGAG 344
Qy 241 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGACAAAGCAGAGTTCTTC 300
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Qy 301 AGTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATAGGACAAATGACATGTGGTTA 360
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ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1492;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 257 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 316
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGACCAACATGAG 120
Db 317 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGACCAACATGAG 376
Qy 121 CATCATCACTCAAGCTCCTTAAAGAGAGATATCTGAAAATTTGAGAGATGAGCGC 180
Db 377 CATCATCACTCAAGCTCCTTAAAGAGAGATATCTGAAAATTTGAGAGATGAGCGC 436
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGTTATCTCTGTAATACCAAGATGAG 240
Db 437 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGTTATCTCTGTAATACCAAGATGAG 496
Qy 241 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGACAAAGCAGAGTTCTTC 300
Db 497 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGACAAAGCAGAGTTCTTC 556
Qy 301 AGTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATAGGACAAATGACATGTGGTTA 360
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Qy 421 TTCCTTGACGCCCCACTAGTTTGTCTATCATTTGAAAACCTAAAGTATTTTGTGTTAAA 480
Db 677 TTCCTTGACGCCCCACTAGTTTGTCTATCATTTGAAAACCTAAAGTATTTTGTGTTAAA 736
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 737 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 796
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Qy 661 AAACAGCTAGCAGTTTGGCTGAAAATAGCTGGAGTATTGACAGAAAATGACAGAGATGCT 720
Db 917 AAACAGCTAGCAGTTTGGCTGAAAATAGCTGGAGTATTGACAGAAAATGACAGAGATGCT 976

Qy 421 TTCCTTGACGCCCCACTAGTTTGTCTATCATTTGAAAACCTAAAGTATTTTGTGTTAAA 480
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Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAAGACTTAAAGCCTT 600
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Db 885 TATCACCCCAACAGGATAGAGAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 944
Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 945 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1004
Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 1005 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1061

RESULT 4
CQ729548
LOCUS CQ729548 1492 bp DNA linear PAT 03-FEB-2004
DEFINITION Sequence 15482 from Patent WO02068579.
ACCESSION CQ729548
VERSION CQ729548.1 GI:42300896
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
1
AUTHORS Venter, C.J., Adams, M.C., Li, P.W. and Myers, E.W.
TITLE Kits, such as nucleic acid arrays, comprising a majority of
human exons or transcripts, for detecting expression and other uses
thereof
JOURNAL Patent: WO 02068579-A 15482 06-SEP-2002;
PE Corporation (NY) (US)
FEATURES
Location/Qualifiers

Qy 721 GATGAAAAGATGTTATTAATACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 780
Db 977 GATGAAAAGATGTTATTAATACCAATCTGTTGGGCTTCTATTAAAGAGGCAATGACT 1036
Qy 781 TATCACCCCAACAGGATAGAGAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 840
Db 1037 TATCACCCCAACAGGATAGAGAGGCTGTGTTTTCAGATATGGCTGTACTTTTAAATGGA 1096
Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 1097 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1156
Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 1157 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1213

RESULT 5
AY159319
LOCUS AY159319 1492 bp mRNA linear PRI 10-DEC-2002
DEFINITION Homo sapiens core 1 beta3-galactosyltransferase-specific molecular
chaperone (COSMC) mRNA, complete cds.
ACCESSION AY159319
VERSION AY159319.1 GI:26418105
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE
1 (bases 1 to 1492)
AUTHORS Ju, T. and Cummings, R.D.
TITLE A unique molecular chaperone Cosmc required for activity of the
mammalian core 1 {beta}3-galactosyltransferase
JOURNAL Proc. Natl. Acad. Sci. U.S.A. (2002)
PUBMED 12464682
REFERENCE
2 (bases 1 to 1492)
AUTHORS Ju, T. and Cummings, R.D.
TITLE Direct Submission
JOURNAL Submitted (05-OCT-2002) Biochemistry & Molecular Biology,
University of Oklahoma Health Sciences Center, 975 NE 10th Street,
BRC 417, Oklahoma City, OK 73104, USA

FEATURES
source 1. .1492
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ORIGIN

Query Match 100.0%; Score 957; DB 8; Length 1492;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 257 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 316

Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAATAGAAATGCACCACTAG 120
Db 317 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAATAGAAATGCACCACTAG 376

Qy 121 CATCATCCTACAAGCTCTCTAAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180
Db 377 CATCATCCTACAAGCTCTCTAAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 436

Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTAAACCCAAAGATGTG 240
Db 437 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTAAACCCAAAGATGTG 496

Qy 241 AGTCTTTGGGCTGCAGTAAGGAGACTTGGACAAACACTGTGCAAAAGCAGAGTTCTTC 300
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Qy 301 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGGACAAATGACATGTGGTTA 360
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Qy 361 ATGATGAGAAAGCTTACAATAACGCTTTGATAGATAGAGACCAATACAACTGGTTC 420
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Qy 421 TTCTTTCGACGCCCCACTAGTTTGTCTATTGTAATTTTGTGTAAAT 480
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Qy 481 AAGGATCCATCAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
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Qy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTTC 600
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Qy 601 CTCATATCCCAGAAAAGTGTCTGGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 857 CTCATATCCCAGAAAAGTGTCTGGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 916

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Db 977 GATGAAAAGATGTATTATATACCAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 1036

Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTATTCTTTAATGGA 840
Db 1037 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTATTCTTTAATGGA 1096

Qy 841 CTGACTCCAAATCAGATGATGTGATGTATGGGGTATACCGCTTAGGGCATTGGG 900
Db 1097 CTGACTCCAAATCAGATGATGTGATGTATGGGGTATACCGCTTAGGGCATTGGG 1156

Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 957
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RESULT 6
BD075648 1572 bp DNA linear PAT 27-AUG-2002
DEFINITION Secretory and transmembrane polypeptide and nucleic acid encoding the same.
ACCESSION BD075648
VERSION BD075648.1 GI:22621251
KEYWORDS JP 2001516580-A/281
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Wood, W.I., Gurney, A.L., Goddard, A., Penica, D., Chen, J. and Yuan, J.
TITLE Secretory and transmembrane polypeptide and nucleic acid encoding the same
JOURNAL Patent: JP 2001516580-A 281 02-OCT-2001;
GENENTECH INC
COMMENT OS Homo sapiens (human)
PN JP 2001516580-A/281
PD 02-OCT-2001
PF 16-SEP-1998 JP 2000511867
PR 17-SEP-1997 US 60/059115, 17-SEP-1997 US 60/059184 PR
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17-SEP-1997 US 60/059119, 18-SEP-1997 US 60/059263 PR
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27-OCT-1997 US 60/063329, 27-OCT-1997 US 60/063327 PR
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29-OCT-1997 US 60/064103, 31-OCT-1997 US 60/063870 PR
03-NOV-1997 US 60/064248, 07-NOV-1997 US 60/064809 PR
12-NOV-1997 US 60/065186, 17-NOV-1997 US 60/065846 PR
18-NOV-1997 US 60/065693, 21-NOV-1997 US 60/066120 PR
21-NOV-1997 US 60/066364, 24-NOV-1997 US 60/066772 PR
24-NOV-1997 US 60/066466, 24-NOV-1997 US 60/066770 PR
24-NOV-1997 US 60/066511, 24-NOV-1997 US 60/066453 PR
25-NOV-1997 US 60/066840
PI WILLIAM I WOOD, AUSTIN L GURNEY, AUDLEY GODDARD, DIANE PENICA, PI
JEAN CHEN,
PI JEAN YUAN
PC C12N15/09, C07K14/47, C07K14/705, C07K16/18, C07K16/28, C07K19/00,
PC C12N1/19,
PC C12N1/21, C12N5/10, C12P21/02, C12P21/08, C12Q1/02//C12P21/08, PC
C12R1/91),
PC C12N15/00, C12N5/00
CC Secretory and transmembrane polypeptide and nucleic acid CC
encoding the same
FH Key Location/Qualifiers
FT source 1..1572
FT /organism="Homo sapiens (human)".
FEATURES
source Location/Qualifiers
1..1572
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140

Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAATAGAAATGCACCACTAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAATAGAAATGCACCACTAG 200

Qy 121 CATCATCCTACAAGCTCTCTAAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180
Db 201 CATCATCCTACAAGCTCTCTAAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 260

Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTAAACCCAAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTAAACCCAAAGATGTG 320

Qy 241 AGTCTTTGGGCTGCAGTAAGGAGACTTGGACAAACACTGTGCAAAAGCAGAGTTCTTC 300
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Qy 301 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATAGGACAAATGACATGTGGTTA 360
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Qy 361 ATGATGAGAAAGCTTACAATAACGCTTTGATAGATAGAGACCAATACAACTGGTTC 420
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Qy 421 TTCTTTCGACGCCCCACTAGTTTGTCTATTGTAATTTTGTGTAAAT 480
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Qy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTTC 600
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Qy 601 CTCATATCCCAGAAAAGTGTCTGGAACAGGGAGGGATGATTGGAAGATATCTGAAGAT 660
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Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 720
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Qy 721 GATGAAAAGATGTATTATATACCAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 780
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Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTATTCTTTAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTATTCTTTAATGGA 920

Qy 841 CTGACTCCAAATCAGATGATGTGATGTATGGGGTATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGATGTGATGTATGGGGTATACCGCTTAGGGCATTGGG 980

Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 1037

RESULT 7
BD172508 1572 bp DNA linear PAT 18-FEB-2003
DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding the same.
ACCESSION BD172508
VERSION BD172508.1 GI:28413810
KEYWORDS JP 200223786-A/281.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;

Qy 421 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
Db 501 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 560
Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACAGCCTT 680
Qy 601 CTCATATCCCAAGAAAGTGTCTTGAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCCAAGAAAGTGTCTTGAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCGAAAAATGCGAAGATGCT 720
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Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
Db 981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1037

RESULT 9

BD173146
LOCUS BD173146 1572 bp DNA linear PAT 18-FEB-2003
DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding the same.
ACCESSION BD173146
VERSION BD173146.1 GI:28414455
KEYWORDS JP 2002238587-A/281.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and Yuan,J.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: JP 2002238587-A 281 27-AUG-2002;

COMMENT GENENTECH INC
OS Homo sapiens (human)
PN JP 2002238587-A/281
PD 27-AUG-2002
PF 18-DEC-2001 JP 2001385348
PR 17-SEP-1997 US 60/059115, 17-SEP-1997 US 60/059184 PR
17-SEP-1997 US 60/059122, 17-SEP-1997 US 60/059117 PR
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28-OCT-1997 US 60/063544, 28-OCT-1997 US 60/063564 PR
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29-OCT-1997 US 60/063704, 29-OCT-1997 US 60/063435 PR
29-OCT-1997 US 60/064215, 29-OCT-1997 US 60/063735 PR
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31-OCT-1997 US 60/063870, 03-NOV-1997 US 60/064248 PR
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24-NOV-1997 US 60/066453, 25-NOV-1997 US 60/066840 P1
WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
JIAN ZHENG,
PI JEAN YUAN
PC C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
C12N15/02,
PC
C12P21/02, C12P21/08// (C12P21/02, C12R1:91), (C12P21/02, C12R1:19), PC
(C12P21/02, C12R1:645), C12N5/00, C12N5/00 CC Secreted
and transmembrane polypeptides and nucleic CC acids encoding the
same
FH Key Location/Qualifiers
FT source 1. 1572
FT /organism="Homo sapiens (human)".
FEATURES Location/Qualifiers
source 1. 1572
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGTTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGTTGATGCTTGAAGCATTTTCTGTGCT 140

Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGCTCATGAAATAGAAATGCCACCATAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGCTCATGAAATAGAAATGCCACCATAG 200
Qy 121 CATCATCACTACAGCTCTCTAAAGAGAGATATCTTGAATAATCTGAGAGATGAGGCC 180
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Qy 421 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
Db 501 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 560
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Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
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Db 921 CTGACTCCAAATCAGATGATGTATGATGATGATGATGATGATGATGATGATGATGATGAT 980

Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
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RESULT 10
BD173465
LOCUS BD173465 1572 bp DNA linear PAT 18-FEB-2003
DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding the same.
ACCESSION BD173465
VERSION BD173465.1 GI:28414776
KEYWORDS JP 2002238588-A/281.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and Yuan,J.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: JP 2002238588-A 281 27-AUG-2002;
GENENTECH INC
COMMENT OS Homo sapiens (human)
PN JP 2002238588-A/281
PD 27-AUG-2002
PF 18-DEC-2001 JP 2001385315
PR 17-SEP-1997 US 60/059115, 17-SEP-1997 US 60/059184 PR
17-SEP-1997 US 60/059122, 17-SEP-1997 US 60/059117 PR
17-SEP-1997 US 60/059113, 17-SEP-1997 US 60/059121 PR
17-SEP-1997 US 60/059119, 18-SEP-1997 US 60/059263 PR
18-SEP-1997 US 60/059266, 15-OCT-1997 US 60/062125 PR
17-OCT-1997 US 60/062287, 17-OCT-1997 US 60/062285 PR
21-OCT-1997 US 60/063486, 24-OCT-1997 US 60/062816 PR
24-OCT-1997 US 60/062814, 24-OCT-1997 US 60/063127 PR
24-OCT-1997 US 60/063120, 24-OCT-1997 US 60/063121 PR
24-OCT-1997 US 60/063045, 24-OCT-1997 US 60/063128 PR
27-OCT-1997 US 60/063329, 27-OCT-1997 US 60/063327 PR
28-OCT-1997 US 60/063549, 28-OCT-1997 US 60/063541 PR
28-OCT-1997 US 60/063550, 28-OCT-1997 US 60/063542 PR
28-OCT-1997 US 60/063544, 28-OCT-1997 US 60/063564 PR
29-OCT-1997 US 60/063734, 29-OCT-1997 US 60/063738 PR
29-OCT-1997 US 60/063704, 29-OCT-1997 US 60/063435 PR
29-OCT-1997 US 60/064215, 29-OCT-1997 US 60/063735 PR
29-OCT-1997 US 60/063732, 31-OCT-1997 US 60/064103 PR
31-OCT-1997 US 60/063870, 03-NOV-1997 US 60/064248 PR
07-NOV-1997 US 60/064809, 12-NOV-1997 US 60/065186 PR
17-NOV-1997 US 60/065846, 18-NOV-1997 US 60/065693 PR
21-NOV-1997 US 60/066120, 21-NOV-1997 US 60/066364 PR
24-NOV-1997 US 60/066772, 24-NOV-1997 US 60/066466 PR
24-NOV-1997 US 60/066770, 24-NOV-1997 US 60/066511 PR
24-NOV-1997 US 60/066453, 25-NOV-1997 US 60/066840 P1
WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
JIAN ZHENG,
PI JEAN YUAN

Oy	1	A	TGCTTCTGAAAGGAGCTCCTTTTGAAGGGGTGATGCTCTGGAGCAATTTCTGTGCT	60
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AR410879
LOCUS AR410879 1572 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 340 from patent US 6635468.
ACCESSION AR410879
VERSION AR410879.1 GI:40162379
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Aashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Filvaroff, S., Fong, S., Geo, W.-O., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kijavini, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, T.A., Tumas, D., Williams, P.M. and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6635468-A 340 21-OCT-2003;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAAATAGAAATGACCAACATGAG 120
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60
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Db 621 GTGGGTATGGAAGAGGAATTTGCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCTT 680
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Db 681 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740
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Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAAATGCAGAAATGCT 800

Oy 421 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 480
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Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 1037

RESULT 13
AR439243
LOCUS AR439243 1572 bp DNA linear PAT 20-FEB-2004
DEFINITION Sequence 340 from patent US 6664376.
ACCESSION AR439243
VERSION AR439243.1 GI:42665092
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Aashkenazi, A., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Filvaroff, S., Fong, S., Geo, W.-O., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J., Kijavini, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A., Stewart, T.A., Tumas, D., Williams, P.M. and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6664376-A 340 16-DEC-2003;
Genentech, Inc.; South San Francisco, CA

Oy 721 GATGGAAAAGATGTTATTAATACCAAAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAAAGATGTTATTAATACCAAAATCTGTGGGCTTCTATTAAAGAGGCAATGACT 860
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Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGGTATACCGCTTAGGGCATTGGG 980
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCAAAATGGTTCTGACAAATGACTGA 1037

RESULT 14
AR473263
LOCUS AR473263 1572 bp DNA linear PAT 20-FEB-2004
DEFINITION Sequence 340 from patent US 6686451.
ACCESSION AR473263
VERSION AR473263.1 GI:42708638
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Desnoyers, L., Goddard, A., Godowski, P.J., Gurney, A.L., Mather, J.P., Williams, P.M. and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6686451-A 340 03-FEB-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAAATAGAAATGACCAACATGAG 120
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Qy 181 ATGGAGCTCAGTAAGAGCTTTCCAGTATACGTATATCTCTGTAAACCCCAAGATGTG 240
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Qy 301 AGTTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACAATAATGACATGTGGTA 360
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Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGCAAACTACAATCGGTC 500
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Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGATGATTGGAAGATATCTGAAGAT 740
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Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 15
AR527249
LOCUS AR527249 1572 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 340 from patent US 6723535.

ACCESSION AR527249
VERSION AR527249.1 GI:53914166
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCES 1 (bases 1 to 1572)
AUTHORS Ashkenazi,A., Botstein,D., Deenoyers,L., Eaton,D.L., Ferrara,N.,
Filvaroff,S., Fong,S., Gao,W.-O., Gerber,H., Gerritsen,M.E.,
Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J.,
Kljasin,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A.,
Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6723535-A 340 20-APR-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
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ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCATGAG 200
Qy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTTCCAGTATACGTATATCTCTGTAAACCCCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTCCAGTATACGTATATCTCTGTAAACCCCAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 380
Qy 301 AGTTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACAATAATGACATGTGGTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACAATAATGACATGTGGTA 440
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGCAAACTACAATCGGTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGCAAACTACAATCGGTC 500
Qy 421 TTCCTTGACGCCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 480
Db 501 TTCCTTGACGCCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 560

Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGATGATTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCACCAAGGAGTAGAGAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 840
Db 861 TATCACCACCAAGGAGTAGAGAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATATGCGGTATACCGCTTAGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATATGCGGTATACCGCTTAGGCAATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 16
AR566282
LOCUS AR566282 1572 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 340 from patent US 6767995.

AR566282
ACCESSION AR566282.1 GI:53983192
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCES 1 (bases 1 to 1572)
AUTHORS Deenoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6767995-A 340 27-JUL-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAATAGAAATGCAACCATGAG 200
Qy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTTCCAGTATACGTATATCTCTGTAAACCCCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTCCAGTATACGTATATCTCTGTAAACCCCAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
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Qy 301 AGTTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACAATAATGACATGTGGTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTCTGAGTCAATTAATATGGACAATAATGACATGTGGTA 440
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGCAAACTACAATCGGTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGCAAACTACAATCGGTC 500
Qy 421 TTCCTTGACGCCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 480
Db 501 TTCCTTGACGCCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTAAAA 560
Qy 481 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGATGATTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGTATTGCGAAAAATGCGAAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTCTGTGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCACCAAGGAGTAGAGAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 840

Query Match 100.0%; Score 957; DB 6; Length 1572;

Query Match	100.0%;	Score 957;	DB 6;	Length 1572;
Best Local Similarity	100.0%;	Pred. No. 3.4e-201;		
Matches 957;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1	ATGCTTTCTGAAGAGCAGCTCTCTTTTGAAGGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT	60
Db	81	ATGCTTTCTGAAGAGCAGCTCTCTTTTGAAGGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT	120
Qy	61	TTGATCACTATGCTAGGACACATAGGATTTGCTCATGAAATAGAAATGCACCACTAG	120
Db	141	TTGATCACTATGCTAGGACACATAGGATTTGCTCATGAAATAGAAATGCACCACTAG	200
Qy	121	CATCATCACTCAAGGCTCTTAAACAAGAGATATCTTGA AAAATTTCAGAGGATGAGCGC	180
Db	201	CATCATCACTCAAGGCTCTTAAACAAGAGATATCTTGA AAAATTTCAGAGGATGAGCGC	260
Qy	181	ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTATTATCTTTGAAAACCCAAGATGTG	240
Db	261	ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTATTATCTTTGAAAACCCAAGATGTG	320
Qy	241	AGTCTTTGGGTCGTAGTAAGGAGACTTGACCAAAACATGTGCAGAACGAGATTTCTC	300
Db	321	AGTCTTTGGGTCGTAGTAAGGAGACTTGACCAAAACATGTGCAGAACGAGATTTCTC	380

Qy	1	ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGATGCTGTGGAAGCATTTCTGTGCT	60
Db	81	ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGATGCTGTGGAAGCATTTCTGTGCT	140
Qy	61	TTGATCACTATGCTAGGACACATTAAGATTGGTCATGGAAATAGAATGCCACCATGAG	120
Db	141	TTGATCACTATGCTAGGACACATTAAGATTGGTCATGGAAATAGAATGCCACCATGAG	200
Qy	121	CATCATCACTACAAGCTCTTAAACAAGAAGATATCTGAAAATTCAGAGGATGAGCGC	180
Db	261	CATCATCACTACAAGCTCTTAAACAAGAAGATATCTGAAAATTCAGAGGATGAGCGC	320
Qy	181	ATGAGCTCAGTAAGAGCTTGGAGTATCTCTATTAATCTTGTAAACCCAAAGATGTG	240
Db	321	ATGAGCTCAGTAAGAGCTTGGAGTATCTCTATTAATCTTGTAAACCCAAAGATGTG	380
Qy	241	AGTCTTTGGGCTCGAGTAAGGAGACTTGGACAACAACCTGTGACAAGCAGAGTTCTTC	300
Db	381	AGTCTTTGGGCTCGAGTAAGGAGACTTGGACAACAACCTGTGACAAGCAGAGTTCTTC	440
Qy	301	AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA	360
Db	421	AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA	480
Qy	361	ATGATGAGAAAAGCTTACAATAAGGCTTTGATAGTATAGAGACCAATCAACTGAGTTC	420
Db	441	ATGATGAGAAAAGCTTACAATAAGGCTTTGATAGTATAGAGACCAATCAACTGAGTTC	500
Qy	421	TTCTTGCAGCGCCCCACTAGTTTGTCTATCTGAAAACCTAAAGTATTTTTGTTAAAA	480
Db	501	TTCTTGCAGCGCCCCACTAGTTTGTCTATCTGAAAACCTAAAGTATTTTTGTTAAAA	560
Qy	481	AAGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGAGCTTGAATAT	540
Db	561	AAGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGAGCTTGAATAT	620
Qy	541	GTGGGTATGGAAGAGGAATTTGTTCAAGTGTAGAATCAATGAAAAGCATTAACAGCTT	600
Db	621	GTGGGTATGGAAGAGGAATTTGTTCAAGTGTAGAATCAATGAAAAGCATTAACAGCTT	680
Qy	601	CTCAATATCCGAGAAAAGTCTTCTGAAACAGGAGGATGATTTGGAAGATATCTGAAGAT	660
Db	681	CTCAATATCCGAGAAAAGTCTTCTGAAACAGGAGGATGATTTGGAAGATATCTGAAGAT	740

Qy 301 AGTCTGAAAATGTTAAAGTGTTCAGATCAATTAAATGGACACAAATGACATGTGTTA 360

Db 381 AGTCTGAAAATGTTAAAGTGTTCAGATCAATTAAATGGACACAAATGACATGTGTTA 440

Qy 361 ATGATGAGAAAGCTTACAATAAGCCTTTGATAAGTATAGAGACCAATCAACGTGTTCT 420

Db 441 ATGATGAGAAAGCTTACAATAAGCCTTTGATAAGTATAGAGACCAATCAACGTGTTCT 500

Qy 421 TTCCCTGACAGCCCACTAGTGTTCGTATCAATTGAAAACCTTAAAGTATTTTGTGTAAAA 480

Db 501 TTCCCTGACAGCCCACTAGTGTTCGTATCAATTGAAAACCTTAAAGTATTTTGTGTAAAA 560

Qy 481 AAGGATCCATCAGAGCCTTCTATCTAGGCACTATAAAATCTGGAGACCTTGAATAT 540

Db 561 AAGGATCCATCAGAGCCTTCTATCTAGGCACTATAAAATCTGGAGACCTTGAATAT 620

Qy 541 GTGGGTATGGGAAGGAAATGTTCTTAAGTGTAGATCAATGAAAAGCTTAAAGCAGCTT 600

Db 621 GTGGGTATGGGAAGGAAATGTTCTTAAGTGTAGATCAATGAAAAGCTTAAAGCAGCTT 680

Qy 601 CTCATATCCAGAAAAGTGTCTCTGAAACAGGAGGGATGATTGGAGATATCTGAAGAT 660

Db 681 CTCATATCCAGAAAAGTGTCTCTGAAACAGGAGGGATGATTGGAGATATCTGAAGAT 740

Qy 721 AAACAGCTAGCAGTTTGTCCGAAATATGCTGGAGTATTTCGAAAATCGAGAAGATGCT 780

Db 781 AAACAGCTAGCAGTTTGTCCGAAATATGCTGGAGTATTTCGAAAATCGAGAAGATGCT 840

Qy 781 GATGGAAAAGATGATATTTAAATCCAAATCTGTGGGCTTCTATTAAGAGGCAATGACT 840

Db 861 GATGGAAAAGATGATATTTAAATCCAAATCTGTGGGCTTCTATTAAGAGGCAATGACT 920

Qy 841 TATCAGCCCAACAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTTACTTTTAAATGGA 840

Db 921 TATCAGCCCAACAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTTACTTTTAAATGGA 920

Qy 861 CTGACTCCAAATCAGATGATGTGATGATGATATGGGATATACCGGCTTAGGCGATTGGG 900

Db 981 CTGACTCCAAATCAGATGATGTGATGATGATGATATGGGATATACCGGCTTAGGCGATTGGG 980

Qy 921 CATATTCTCAATGATGATGCTGGTTTCTTCACTCCAAATGGTTCTGCAATGAGCTGA 980

Db 981 CATATTCTCAATGATGATGCTGGTTTCTTCACTCCAAATGGTTCTGCAATGAGCTGA 1037

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RESULT 10
AR604574
LOCUS       AR604574                1572 bp    DNA            linear    PAT 15-DEC-200
DEFINITION  Sequence 340 from patent US 6818449.
ACCESSION   AR604574
VERSION     AR604574.1  GI:56655589
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unknown.
             Unclassified.
REFERENCE   1 (bases 1 to 1572)
AUTHORS     Fong,S., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.

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Qy	661	AAACAGCTAGCAGTTGCGCTGAAATATGCTGGAGATTTTCGAGAAAATGAGAAGATGCT	720
Db	741	AAACAGCTAGCAGTTGCGCTGAAATATGCTGGAGATTTTCGAGAAAATGAGAAGATGCT	800
Qy	721	GATGGAAAAGATGTATTAAATACCAAAATCTGTTGGCGTTTCTATTAAAGAGGCAATGACT	780
Db	801	GATGGAAAAGATGTATTAAATACCAAAATCTGTTGGCGTTTCTATTAAAGAGGCAATGACT	860
Qy	781	TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTTACTCTTTAATGGA	840
Db	861	TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTCAGATATGGCTGTTACTCTTTAATGGA	920
Qy	841	CTGACTCCAAATCAGATGCACTGTGATGATGATGAGGGTATACCGCTTAGGGCAATTGGG	900
Db	921	CTGACTCCAAATCAGATGCACTGTGATGATGATGAGGGTATACCGCTTAGGGCAATTGGG	980
Qy	901	CATATTTCGAATGATGCTATGGTTTCTTACTCTCCAAATGGTTCTGACAAATGACGTA	957
Db	981	CATATTTCGAATGATGCTATGGTTTCTTACTCTCCAAATGGTTCTGACAAATGACGTA	1037

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RESULT 19
AR605160
LOCUS       AR605160             1572 bp    DNA             linear   PAT 15-DEC-2004
DEFINITION  Sequence 340 from patent US 6818746.
ACCESSION   AR605160
VERSION     AR605160.1  GI:56656674
KEYWORDS
SOURCE
ORGANISM    Unknown.
             Unclassified.
REFERENCE   1 (bases 1 to 1572)
AUTHORS    Goddard,A., Godowski,P.J., Gurney,A.L., Desnoyers,L. and Wood,W.I.
TITLE       Secreted and transmembrane polypeptides and nucleic acids encoding
             the same
JOURNAL     Patent: US 6818746-A 340 16-NOV-2004;
             Genentech, Inc.: South San Francisco, CA
FEATURES
     source              Location/Qualifiers
             1..1572
                 /organism="unknown"
                 /mol_type="genomic DNA"

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Qy 1 ATGCTTTCTGAAGACAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGACAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 140

Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGGTCATGAAATAGAAATGCACCACTAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGGTCATGAAATAGAAATGCACCACTAG 200

Qy 121 CATCATCACTACAGCTCTCTAAAGAGAGATATCTGTAATTAATGAGGATAGGCGC 180

Db 201 CATCATCACCTCAAGCTCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGCG 260
Oy 181 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 240
Db 261 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 320
Oy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440
Oy 361 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500
Oy 421 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAAA 560
Oy 481 AAGGATCCATCACAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 680
Oy 601 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Oy 661 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 720
Db 741 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 800
Oy 721 GATGGAAGAAGATGTTAATTAACCAAACTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAGAAGATGTTAATTAACCAAACTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Oy 781 TATCAACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 840
Db 861 TATCAACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 920
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Oy 901 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGCA 957
Db 981 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGCA 1037

RESULT 20

AR613825
LOCUS AR613825 1572 bp DNA linear PAT 15-DEC-2004
DEFINITION Sequence 340 from patent US 6828146.
ACCESSION AR613825
VERSION AR613825.1 GI:56669867
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Hillen,K.J. and Wood,W.I.
TITLE Nucleic acid encoding PRO229 polypeptides
JOURNAL Patent: US 6828146-A 340 07-DEC-2004;
Genentech, Inc.; South San Francisco, CA;
WOX;
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCAATGAAATAGAAATGCAACCACTAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCAATGAAATAGAAATGCAACCACTAG 200
Oy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 260
Oy 181 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 240
Db 261 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 320
Oy 241 AGTCTTTGGGCTGCACTAAAGAGAGCTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440
Oy 361 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500
Oy 421 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAAA 560

Oy 481 AAGGATCCATCACAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 680
Oy 601 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Oy 661 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 720
Db 741 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 800
Oy 721 GATGGAAGAAGATGTTAATTAACCAAACTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
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Oy 781 TATCAACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 840
Db 861 TATCAACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGATGATATGGGTTATACCGCTTAGGGCAATTTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGATGATATGGGTTATACCGCTTAGGGCAATTTGGG 980
Oy 901 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGCA 957
Db 981 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGGTCTGCAATGACTGCA 1037

RESULT 21

AR635996
LOCUS AR635996 1572 bp DNA linear PAT 14-FEB-2005
DEFINITION Sequence 340 from patent US 6852848.
ACCESSION AR635996
VERSION AR635996.1 GI:59795656
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Goddard,A., Gurney,A.L. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6852848-A 340 08-FEB-2005;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;

Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCAATGAAATAGAAATGCAACCACTAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCAATGAAATAGAAATGCAACCACTAG 200
Oy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 180
Db 201 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 260
Oy 181 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 240
Db 261 ATGAGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTTGTAAAACCCAAAGATGTG 320
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Db 321 AGTCTTTGGGCTGCACTAAAGAGAGCTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
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Db 441 ATGATGAGAAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500
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Db 561 AAGGATCCATCACAGCCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
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Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 680
Oy 601 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Oy 661 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 720
Db 741 AAAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGAGAAAAATGAGAAAGTCT 800
Oy 721 GATGGAAGAAGATGTTAATTAACCAAACTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
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Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCAATTGGG 900
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Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 22
AR650725
LOCUS AR650725 1572 bp DNA linear PAT 20-APR-2005
DEFINITION Sequence 340 from patent US 6878807.
ACCESSION AR650725
VERSION AR650725.1 GI:62794616
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Desnoyers, L., Goddard, A., Godowski, P.J., Gurney, A.L., Hillen, K.J. and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6878807-A 340 12-APR-2005;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCAATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCAATTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACATGAG 200
Oy 121 CATCATCACTACAAGCTCCTTAACAAGAGATATCTTGAAAAATTCAGAGGATGAGGC 180
Db 201 CATCATCACTACAAGCTCCTTAACAAGAGATATCTTGAAAAATTCAGAGGATGAGGC 260
Oy 181 ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTATTCTTGTAAAAACCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTATTCTTGTAAAAACCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGAGTAAAGGAGACTTGGACCAACACCTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAAGGAGACTTGGACCAACACCTGTGCAAAAGCAGAGTTCTTC 380

AUTHORS Goddard, A., Godowski, P.J., Gurney, A.L., Wood, W.I. and Fong, S.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6894148-A 340 17-MAY-2005;
Genentech, Inc.; South San Francisco, CA
FEATURES
source Location/Qualifiers
1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCAATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCAATTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACATGAG 200
Oy 121 CATCATCACTACAAGCTCCTTAACAAGAGATATCTTGAAAAATTCAGAGGATGAGGC 180
Db 201 CATCATCACTACAAGCTCCTTAACAAGAGATATCTTGAAAAATTCAGAGGATGAGGC 260
Oy 181 ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTATTCTTGTAAAAACCAAGATGTG 240
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Oy 421 TTCTTGGACGCCCCACTAGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTGGACGCCCCACTAGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 560
Oy 481 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTT 600
Db 621 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTT 680
Oy 601 CTCATATCCAGAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660

Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACCAAAATGACATGTGGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACCAAAATGACATGTGGTTA 440
Oy 361 ATGATGAGAAAAAGCTTCAAAATAGCGCTTTGATAGTATAGAGCAATCAACTGGTTTC 420
Db 441 ATGATGAGAAAAAGCTTCAAAATAGCGCTTTGATAGTATAGAGCAATCAACTGGTTTC 500
Oy 421 TTCTTGGACGCCCCACTAGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTGGACGCCCCACTAGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 560
Oy 481 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGATCCATCAGCGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTT 600
Db 621 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACGCTT 680
Oy 601 CTCATATCCAGAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCAGAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAAAAAATGAGAAATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAAAAAATGAGAAATGCT 800
Oy 721 GATGAAAAAGATGTATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGCAATGACT 780
Db 801 GATGAAAAAGATGTATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGCAATGACT 860
Oy 781 TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 840
Db 861 TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCAATTGGG 980
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 23
AR657666
LOCUS AR657666 1572 bp DNA linear PAT 13-JUN-2005
DEFINITION Sequence 340 from patent US 6894148.
ACCESSION AR657666
VERSION AR657666.1 GI:67591108
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1572)

Db 681 CTCATATCCAGAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAAAAAATGAGAAATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAAAAAATGAGAAATGCT 800
Oy 721 GATGAAAAAGATGTATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGCAATGACT 780
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Oy 781 TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 840
Db 861 TATCACCCCAACCAAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCAATTGGG 980
Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037

RESULT 24
AX464240
LOCUS AX464240 1572 bp DNA linear PAT 16-JUL-2002
DEFINITION Sequence 373 from Patent WO0140466.
ACCESSION AX464240
VERSION AX464240.1 GI:21899136
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Baker, K.P., Beresini, M., DeForge, L., Desnoyers, L., Filvaroff, E., Gao, M.Q., Gerstein, M.B., Goddard, A., Godowski, P.J., Gurney, A.L., Sherwood, S., Smith, V., Stewart, T.A., Tamas, D., Watanabe, C.K., Wood, W.L. and Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding same
JOURNAL Patent: WO 0140466-A 373 07-JUN-2001;
Genentech Inc. (US)
FEATURES
source Location/Qualifiers
1..1572
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGGAGCAATTTCTGTGCT 60

Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAAGGATGGTCACTGAAATAGAATGCCACCACATGAG 120
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Oy 121 CATCATCACTCAAGCTCCTTAAACAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 180
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Db 561 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 620
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Db 561 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGGAATTTGCTTAAAGTATGAAATCAATGAAAGACTTAAAGCCTT 600
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Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

RESULT 36
AY358642 1572 bp mRNA linear PRI 03-OCT-2003
LOCUS Homo sapiens clone DNA43046 HSPC067 (UNQ273) mRNA, complete cds.
DEFINITION
ACCESSION AY358642
VERSION AY358642.1 GI:37182405
KEYWORDS FLI_CDNA.
SOURCE Homo sapiens (human)
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

RESULT 25
AX697749 1572 bp DNA linear PAT 02-APR-2003
LOCUS
DEFINITION Sequence 340 from Patent WO0104311.
ACCESSION AX697749
VERSION AX697749.1 GI:29498825
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Suarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1
AUTHORS Ashkenazi,A.J., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N.,
Filvaroff,E., Fong,S., Gao,W.O., Gerber,H., Gerritsen,M.E.,
Goddard,A., Godowski,P.J., Grimaldi,C.J., Gurney,A.L., Hillan,K.J.,
Klajevic,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A.,
Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0104311-A 340 18-JAN-2001;
Genentech Inc. (US)
FEATURES
source Location/Qualifiers
1. .1572
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAAGGATGGTCACTGAAATAGAATGCCACCACATGAG 120
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Mammalia; Eutheria; Suarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.B.,
Heidens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liso,D., Mark,M., Robbie,E., Sanchez,C.,
Schoenfeld,J., Seashagiri,S., Simmons,L., Singh,J., Smith,V.,
Stinson,J., Vagts,A., Vandlen,R., Watanabe,C., Wiesand,D., Woods,K.,
Xie,M.H., Yansura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,W.I. and Godowski,P.
TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
JOURNAL Genome Res. 13 (10), 2265-2270 (2003)
PUBMED 12975309
REFERENCE 2 (bases 1 to 1572)
AUTHORS Clark,H.F.
TITLE Direct Submission
JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
FEATURES
source Location/Qualifiers
1. .1572
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DNA43046"
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CDS 81. .1037
/locus_tag="UNQ273"
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/db_xref="GI:37182406"
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KDSOPPYLGHTIKSDILEVGMGGIIVLSVSKRLNLSLNLPEKPEQGGIWKIS
EDKOLAVCLKYAGVFAENADADGKDVNTKSVGLSKEMATHFNQVSGCCSDMAV
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ORIGIN

Query Match 100.0%; Score 957; DB 8; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGCTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAAGGATGGTCACTGAAATAGAATGCCACCACATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAAGGATGGTCACTGAAATAGAATGCCACCACATGAG 200

Oy 121 CATCATCACTCAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGCGC 180
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 Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGTTATCTCTTGTAAACCCAAAGATGTG 320
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 Oy 301 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGTTA 360
 Db 381 AGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACACAAATGACATGTGTTA 440
 Oy 361 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 420
 Db 441 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACTGGTTC 500
 Oy 421 TTCCTTGACGCCCCACTACGTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
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 Db 921 CTGACTCCAAATCAGATGATGATGTATGGGGTATACCCCTTAGGGCAATTTGGG 980
 Oy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTGA 957
 Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTGA 1037

RESULT 27
 AC011890/c
 LOCUS AC011890 158907 bp DNA linear PRI 07-OCT-2000
 DEFINITION Homo sapiens PAC clone RP4-655L22 from Xq23, complete sequence.
 ACCESSION AC011890
 VERSION AC011890.4 GI:7705211
 KEYWORDS HTG.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
 REFERENCE 1 (bases 1 to 158907)
 AUTHORS Sulston, J.S. and Waterston, R.
 TITLE Toward a complete human genome sequence
 JOURNAL Genome Res. 8 (11), 1097-1108 (1998)
 PUBMED 9847074
 REFERENCE 2 (bases 1 to 158907)
 AUTHORS Harkins, R., Drone, K., LaPlant, Y. and Le, T.
 TITLE The sequence of Homo sapiens PAC clone RP4-655L22
 JOURNAL Unpublished
 REFERENCE 3 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (15-OCT-1999) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 4 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (04-MAY-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 5 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (12-JUN-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 6 (bases 1 to 158907)
 AUTHORS Waterston, R.
 TITLE Direct Submission
 JOURNAL Submitted (07-OCT-2000) Department of Genetics, Washington University, 4444 Forest Park Parkway, St. Louis, Missouri 63108, USA
 COMMENT On May 4, 2000 this sequence version replaced gi:7630762.
 ----- Genome Center
 Center: Washington University Genome Sequencing Center
 Center code: WUGSC
 Web site: http://genome.wustl.edu/gsc
 Contact: sapiens@watson.wustl.edu
 ----- Summary Statistics
 Center project name: H_DJ0655L22

 NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap

between neighboring data submissions.

This sequence was finished as follows unless otherwise noted:
 all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

This sequence was generated from part of bacterial clone contigs of human chromosome X, constructed by the chromosome X mapping group at the Sanger Centre, Wellcome Trust Genome Campus, Hinxton, UK. Further information can be found at <http://www.sanger.ac.uk/HGP/ChrX/>

SOURCE INFORMATION:

This clone was derived from human PAC library RPCI-4, prepared by Pieter de Jong and coworkers at the Roswell Park Cancer Institute (<http://bacpac.med.buffalo.edu>) using the method described by Ioannou et al., Nature Genetics 6:84-9 (1994). The library is from one male donor.

The clone may be obtained either from Genome Systems, Inc. (<http://www.genomesystems.com>) or Research Genetics, Inc. (<http://www.resgen.com>); or from Pieter de Jong.

VECTOR: pCYPAC2

NEIGHBORING SEQUENCE INFORMATION:

The clone sequenced to the right is RP1-321E8. Actual start of this clone is at base position 1 of RP4-655L22.

RP4-655L22 contains a transposon in the unfinished region of the clone, which is not part of the submitted sequence.

FEATURES
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 /chromosome="X"
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 /rpt_family="L1"
 repeat_region 388. .685
 /rpt_family="Alu"
 repeat_region 686. .715
 /rpt_family="L1"
 repeat_region 687. .1815
 /rpt_family="L1"
 repeat_region 1816. .2180
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/note="similar to Mus musculus EST AA154366 (NID:g1726169) m094g08.r1"
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Query Match 100.0%; Score 957; DB 8; Length 158907;
Best Local Similarity 100.0%; Pred. No. 1.1e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
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Db 27274 TTGATCACTATGCTAGGACACATAGGATTTGGTCAAGAAATAGAAATGACCAACCATAG 27215
Oy 121 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 180
Db 27214 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 27155
Oy 181 ATGGAGCTCAGTAAGAGCTTTGGAGTATCTGATTATCTCTGTAAACCCAAAGATGTG 240
Db 27154 ATGGAGCTCAGTAAGAGCTTTGGAGTATCTGATTATCTCTGTAAACCCAAAGATGTG 27095
Oy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 300
Db 27094 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 27035
Oy 301 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATAGGACACAAATGACATGTGGTTA 360

Db 27034 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATAGGACACAAATGACATGTGGTTA 26975
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGACCAATACAACTGGTTC 420
Db 26974 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGACCAATACAACTGGTTC 26915
Oy 421 TTCTTGACGCCCCCACTAGCTTTGCTATCAATTGAAACCTAAAGATATTTTGTGTTAAA 480
Db 26914 TTCTTGACGCCCCCACTAGCTTTGCTATCAATTGAAACCTAAAGATATTTTGTGTTAAA 26855
Oy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 540
Db 26854 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 26795
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Db 26794 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAACAGCCTT 26735
Oy 601 CTCAATATCCAGAAAAGTGTCTGGAACAGGAGGAGATTTGGAAGATATCTGAAGAT 660
Db 26734 CTCAATATCCAGAAAAGTGTCTGGAACAGGAGGAGATTTGGAAGATATCTGAAGAT 26675
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGATTTGACAAAATGCAGAGATGCT 720
Db 26674 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGATTTGACAAAATGCAGAGATGCT 26615
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Db 26614 GATGAAAAGATGTATTTAATACCAAACTCTTGGGCTTTCTATTAAAGAGGCAATGACT 26555
Oy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTTACTTTTAAATGGA 840
Db 26554 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTTACTTTTAAATGGA 26495
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Db 26434 CATATTTTCAATGATGATGAGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 26378

RESULT 28
BD194853
LOCUS BD194853 1376 bp DNA linear PAT 17-JUL-2003
DEFINITION 86 human secreted proteins.
ACCESSION BD194853
VERSION BD194853.1 GI:33004602
KEYWORDS JP 2002514090-A/24.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 1376)
AUTHORS Moore,P.A., Shi,Y., Rosen,C.A., Ruben,S.M., Lafleur,D.W., Olsen,H.S., Ebner,R., Brewer,L.A., Young,P., Greene,J.M.,

TITLE Ferrie,A.M., Yu,G.L., Ni,J. and Feng,P.
JOURNAL 86 human secreted proteins
COMMENT Patent: JP 2002514090-A 24 14-MAY-2002;
HUMAN GENOME SCIENCES INC
OS Unidentified
PN JP 2002514090-A/24
PD 14-MAY-2002
PF 11-JUN-1998 JP 1999503203
PR 13-JUN-1997 US 60/049547, 13-JUN-1997 US 60/049548 PR
13-JUN-1997 US 60/049549, 13-JUN-1997 US 60/049550 PR
13-JUN-1997 US 60/050566, 13-JUN-1997 US 60/049606 PR
13-JUN-1997 US 60/049607, 13-JUN-1997 US 60/049608 PR
13-JUN-1997 US 60/049609, 13-JUN-1997 US 60/049610 PR
13-JUN-1997 US 60/049611, 13-JUN-1997 US 60/050901 PR
13-JUN-1997 US 60/052989, 08-JUL-1997 US 60/051919 PR
18-AUG-1997 US 60/055984, 12-SEP-1997 US 60/058665 PR
12-SEP-1997 US 60/058668, 12-SEP-1997 US 60/058669 PR
12-SEP-1997 US 60/058750, 12-SEP-1997 US 60/058971 PR
12-SEP-1997 US 60/058972, 12-SEP-1997 US 60/058975 PR
02-OCT-1997 US 60/060834, 02-OCT-1997 US 60/060841 PR
02-OCT-1997 US 60/060844, 02-OCT-1997 US 60/060865 PR
02-OCT-1997 US 60/061059, 02-OCT-1997 US 60/061060 PI PAUL A
MOORE, YANGLU SHI, CRAIG A ROSEN, STEVEN M RUBEN, DAVID W PI
LAFLEUR,
PI HENRIK S OLSEN, REINHARD EBNER, LAURIE A BREWER, PAUL YOUNG, JOHN
PI M GREENS,
PI ANN M FERRIE, GUO LIANG YU, JIAN NI, PING FENG
PC C07H21/02, C07H21/04, C12N5/00, C12N5/04, C12N5/06, C12N5/10 PC
C12N5/16, C12N5/00,
PC C12N15/09, C12N15/10, C12N15/11, C12N15/12, C12P21/04, C12P21/06 CC
Strandedness: Double;
CC Topology: Linear;
CC 86 human secreted proteins
FH Key Location/Qualifiers
FT source 1..1376
FT /organism="Unidentified".
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Query Match 100.0%; Score 957; DB 6; Length 1376;
Best Local Similarity 99.9%; Pred. No. 4.2e-201;
Matches 956; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 146 ATGCTTTCTGAAAGCAGCTCTCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 205
Oy 61 TTGATCACTATGCTAGGACACATAGGATTTGGTCAAGAAATAGAAATGACCAACCATAG 120
Db 206 TTGATCACTATGCTAGGACACATAGGATTTGGTCAAGAAATAGAAATGACCAACCATAG 265
Oy 121 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 180

Db 266 CATCATCACTCAAGCTCTTAAACAAAGAGATATCTTGAATAATTCAGAGGATGAGGCG 325
Oy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATACCTGATTATCTCTGTAAACCCAAAGATGTG 240
Db 326 ATGGAGCTCAGTAAGAGCTTTGAGTATACCTGATTATCTCTGTAAACCCAAAGATGTG 385
Oy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 300
Db 386 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 445
Oy 301 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATAGGACACAAATGACATGTGGTTA 360
Db 446 AGTTCTGAAAATGTTAAAGTGTTCAGTCAATTAATAGGACACAAATGACATGTGGTTA 505
Oy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGACCAATACAACTGGTTC 420
Db 506 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGTATAGAGACCAATACAACTGGTTC 565
Oy 421 TTCTTGACGCCCCCACTAGCTTTGCTATCAATTGAAACCTAAAGATATTTTGTGTTAAA 480
Db 565 TTCTTGACGCCCCCACTAGCTTTGCTATCAATTGAAACCTAAAGATATTTTGTGTTAAA 625
Oy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 540
Db 626 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT 685
Oy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAACAGCCTT 600
Db 686 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGATCAATGAAAGAGCTTAAACAGCCTT 745
Oy 601 CTCAATATCCAGAAAAGTGTCTGGAACAGGAGGAGATTTGGAAGATATCTGAAGAT 660
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Db 806 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGATTTGACAAAATGCAGAGATGCT 865
Oy 721 GATGAAAAGATGTATTTAATACCAAACTCTTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 866 GATGAAAAGATGTATTTAATACCAAACTCTTGGGCTTTCTATTAAAGAGGCAATGACT 925
Oy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTTACTTTTAAATGGA 840
Db 926 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTTACTTTTAAATGGA 985
Oy 841 CTGACTCCAAATCAGATGCAATGTGATGATATGAGGATATACCGCCCTTAGGGCAATTGGG 900
Db 986 CTGACTCCAAATCAGATGCAATGTGATGATATGAGGATATACCGCCCTTAGGGCAATTGGG 1045
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Db 1046 CATATTTTCAATGATGATGAGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 1102

RESULT 29
C0855181

LOCUS CQ855181 1376 bp DNA linear PAT 23-AUG-2004
DEFINITION Sequence 25 from Patent: EP1439189.
ACCESSION CQ855181
VERSION CQ855181.1 GI:51510609
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catearrhini;
Hominidae; Homo.
REFERENCE 1
AUTHORS Ruben, S.M., Ni, J., Rosen, C.A., Ebner, R., Young, P., Moore, P.A.,
Feng, P., LaFleur, D.W., Olsen, H.S., Yanggu, S., Brewer, L.A.,
Greene, J.M., Ferrie, A.M. and Yu, G.L.
TITLE 86 Human Secreted Proteins
JOURNAL Patent: EP 1439189-A 25 21-JUL-2004;
Human Genome Sciences, Inc. (US)
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source Location/Qualifiers
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ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1376;
Best Local Similarity 99.9%; Pred. No. 4.2e-201;
Matches 956; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 60
Db 146 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 205
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTATGGAATAGAAATGCCACCATGAG 120
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Db 266 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGGC 325
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Db 326 ATGAGGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 385
Qy 241 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
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Db 506 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGATAAGTATAGAGACCAATACACTGGTTC 565
Qy 421 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480

Db 566 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 625
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540
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Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATGATGAGGTATACCGCCTTAGGGCATTGGG 900
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RESULT 30
AR339340
LOCUS AR339340 1477 bp DNA linear PAT 17-AUG-2003
DEFINITION Sequence 831 from patent US 6569662.
ACCESSION AR339340
VERSION AR339340.1 GI:33726197
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1477)
AUTHORS Tang, Y.T., Zhou, P. and Drmenac, R.T.
TITLE Nucleic acids and polypeptides
JOURNAL Patent: US 6569662-A 831 27-MAY-2003;
Hyseq, Inc.; Sunnyvale, CA
FEATURES
source Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"
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Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATGATGAGGTATACCGCCTTAGGGCATTGGG 900
Db 1071 CTGACTCCAAATCAGATGCAATGTGATGATGATGAGGTATACCGCCTTAGGGCATTGGG 1130
Qy 901 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGTTTCTGCAATGACTGA 957
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RESULT 31
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WPCOMMENT
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BX294172_1 100001 210000
BX294172_2 200001 310000
BX294172_3 300001 410000
BX294172_4 400001 479363
Continuation (2 of 5) of BX294172 from base 100001 (BX294172 Homo sapiens
chromosome X clone XYec-126E9, WORKING DRAFT SEQUENCE, 4 unordered pieces.
4/2003)

Query Match 99.8%; Score 955.4; DB 14; Length 110000;
Best Local Similarity 99.9%; Pred. No. 2.8e-201;
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 60
Db 14874 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 14815
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTATGGAATAGAAATGCCACCATGAG 120
Db 14814 TTGATCACTATGCTAGGACACATTAGGATTGGTATGGAATAGAAATGCCACCATGAG 14755
Qy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGGC 180
Db 14754 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGGC 14695
Qy 181 ATGAGGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 240
Db 14694 ATGAGGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 14635
Qy 241 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
Db 14634 AGTCTTTGGGCTGAGTAAAGAGAGCTTGACCAAACTGTGCAAAAGCAGAGTTCTTC 14575
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 360
Db 14574 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 14515
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGATAAGTATAGAGACCAATACACTGGTTC 420
Db 14514 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGATAAGTATAGAGACCAATACACTGGTTC 14455

Query Match 99.8%; Score 955.4; DB 6; Length 1477;
Best Local Similarity 99.9%; Pred. No. 7.7e-201;
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 60
Db 231 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCCTGTGCT 290
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTATGGAATAGAAATGCCACCATGAG 120
Db 291 TTGATCACTATGCTAGGACACATTAGGATTGGTATGGAATAGAAATGCCACCATGAG 350
Qy 121 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGGC 180
Db 351 CATCATCACTCAAGCTCCTTAAACAAAGAGATATCTGAAAAATTCAGAGGATGAGGC 410
Qy 181 ATGAGGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 240
Db 411 ATGAGGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 470
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Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 360
Db 531 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 590
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGATAAGTATAGAGACCAATACACTGGTTC 420
Db 591 ATGATGAGAAAAGCTTACAAATACGCCCTTGTGATAAGTATAGAGACCAATACACTGGTTC 650
Qy 421 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
Db 651 TTCCTTGACGCCCCACTACGTTTGCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 710
Qy 481 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540
Db 711 AAGGATCCATCAAGCCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 770
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAAGTGTAGAAATCAATGAAAGACTTAAACAGCCTT 600
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Db 951 GATGGAAGAAGATGTTAATACCAAACTGTGTGGCTTTCTATTAAAGAGGCAATGACT 1010
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGTTGATATGCTGTTACTTTTAAATGGA 840

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Db 14214 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGAGAAAATGAGAGAAGTCT 14155
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RESULT 32
HSA238398 1605 bp mRNA linear PRI 20-DEC-2001
LOCUS HSA238398 Homo sapiens mRNA for c38h2-11 protein.
DEFINITION AJ238398.1 GI:17976700
ACCESSION AJ238398.1
VERSION c38h2-11 gene; c38h2-11 protein.
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1
AUTHORS Rubboli, F., Marchitelli, A., Ballabio, A. and Banfi, S.
TITLE Identification and characterization of c38h2-11
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1605)
AUTHORS Banfi, S.
TITLE Direct Submission

Qy 421 TTCCTGACGCCCCACTACGTTTGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480
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Qy 781 TATACCCCAACAGGAGTATGAGAGGCTGTGTTGTCAGATATGGCTTTACTTTTAAATGA 840
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Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
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RESULT 33
AX256063 1495 bp DNA linear PAT 10-OCT-2001
LOCUS AX256063 Sequence 214 from Patent WO0170976.
DEFINITION AX256063
ACCESSION AX256063.1 GI:16075103
VERSION
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1
AUTHORS Xu, J., Pyle, R.A. and Stolk, J.A.
TITLE Compositions and methods for the therapy and diagnosis of ovarian and endometrial cancer
JOURNAL Patent: WO 0170976-A 214 27-SEP-2001;
CORIXA CORPORATION (US)
FEATURES Location/Qualifiers
source 1..1495

JOURNAL Submitted (20-APR-1999) Banfi S., Genetics, TIGEM (Telethon Institute of Genetics and Medicine), Via Olgettina, 58 Milan, 20132, ITALY

FEATURES
source Location/Qualifiers
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/mol_type="mRNA"
/db_xref="taxon:9606"
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MNYGVYLRAPFHI FNDALVFLPFGSDND"
ORIGIN
Query Match 99.7%; Score 953.8; DB 8; Length 1605;
Best Local Similarity 99.8%; Pred. No. 1.7e-200;
Matches 955; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCAATTTTCTGTCT 60
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Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAATAGAAATGACCAACATGAG 120
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Qy 121 CATCATCACTAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGCGC 180
Db 358 CATCATCACTAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGCGC 417
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGTATCTGTATTATCTCTTGTAAACCCAAAGATGTG 240
Db 418 ATGAGCTCAGTAAGAGCTTTGAGTATCTGTATTATCTCTTGTAAACCCAAAGATGTG 477
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGCTTGACCAACACTGTGCAAAAGCAGAGTTCTTC 300
Db 478 AGTCTTTGGGCTGAGTAAGAGAGCTTGACCAACACTGTGCAAAAGCAGAGTTCTTC 537
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Query Match 95.7%; Score 915.4; DB 6; Length 1495;
Best Local Similarity 98.4%; Pred. No. 5.4e-192;
Matches 946; Conservative 0; Mismatches 11; Indels 4; Gaps 2;
Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCAATTTTCTGTCT 59
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Db 314 TTGATCCACTAATGCTAAGGACACATTAGGATGGTCATGGAATAGAAATGACCAACCA 373
Qy 117 TGAGCATCATCACTAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGA 176
Db 374 TGAGCATCATCACTAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGA 433
Qy 177 GGGCATGGAGCTCAGTAAGAGCTTTGAGTATCTGTATTATCTCTTGTAAACCCAAAGA 236
Db 434 GGGCATGGAGCTCAGTAAGAGCTTTGAGTATCTGTATTATCTCTTGTAAACCCAAAGA 493
Qy 237 TGTGAGTCTTTGGGCTGAGTAAGAGAGCTTGACCAACACTGTGCAAAAGCAGAGTT 296
Db 494 TGTGAGTCTTTGGGCTGAGTAAGAGAGCTTGACCAACACTGTGCAAAAGCAGAGTT 553
Qy 297 CTTGAGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAAATGACATGTG 356
Db 554 CTTGAGTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAAATGACATGTG 613
Qy 357 GTTAATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGCAATACACATG 416
Db 614 GTTAATGATGAGAAAAGCTTACAAATAGCCCTTTGATAGTATAGAGCAATACACATG 673
Qy 417 GTTCTTCTTGAAGCAGCTCCCTTTTGAAGGCTGTGATGCTTGAAGCAATTTTGTGTT 476
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Qy      777 GACTTATGACCCCAACAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAA 836
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Db     1034 GACTTATGACCCCAACAGGTAGTAGAAGGCTGTTGTTGAGATATGGCTGTTACTTTTAA 1093
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Qy      837 TGGACTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATT 896
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Db     1094 TGGACTGACTCCAAATCAGATGCATGTGATGATGTATGGGGTATACCGCCTTAGGGCATT 1153
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Qy      897 TGGGCATATTTCAATGATGCATTGGTTTTCTTACCTCCAAATGGTCTGACAAATGACTG 956
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Db     1214 A 1214

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Search completed: April 7, 2006, 08:26:50
Job time : 5120 secs

Oy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCCACTATAAAATCTGGAGACCTTGAATAT 540
Db 585 AAGGATCCATCACAGCCTTCTATCTAGGCCCACTATAAAATCTGGAGACCTTGAATAT 644
Oy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCCTT 600
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Oy 601 CTCATATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAGATATCTGAAGAT 660
Db 705 CTCATATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAGATATCTGAAGAT 764
Oy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAATGCAGAAATGCT 720
Db 765 AAACAGCTAGCAGTTTGCCTGAAATATGCTGAGATATTTGCAGAAAATGCAGAAATGCT 824
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Db 825 GATGGAAAAGATGATTTAATACCAAAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 884
Oy 781 TATCACCCCAACAGGTAGTAGAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 840
Db 885 TATCACCCCAACAGGTAGTAGAGGCTGTGTTGATATGGCTGTACTTTTAAATGGA 944
Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Db 945 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1004
Oy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
Db 1005 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1061

RESULT 4

AA552273

ID AA552273 standard; DNA; 1572 BP.

AC AA552273;

XX

DT 25-JUN-1999 (first entry)

XX

DE Protein PRO310 cDNA clone DNA43046-1225.

XX

KW Secreted protein; transmembrane protein; human; enterocolitis;

KW Zollinger-Ellison syndrome; gastrointestinal ulceration;

KW congenital microvillus atrophy; skin disease; cell growth;

KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;

KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;

KW dermal scarring; Usher Syndrome; Atrophie areata; anti-thrombotic;

KW wound healing; tissue repair; ss.

XX

OS Homo sapiens.

XX

PN W09914328-A2.

XX

PD 25-MAR-1999.

XX

DR WPI; 1999-229533/19.

DR P-PSDB; AAY13402.

XX

PT New isolated human genes and polypeptides used in, e.g. treatment of

PT gastrointestinal ulceration.

PS

XX Claim 2; Fig 119; 320pp; English.

CC

CC AA552273-74 encode secreted and transmembrane human proteins, and are

CC obtained from cDNA libraries, prepared from fetal lung, fetal kidney,

CC fetal brain, fetal liver and fetal retina. The encoded polypeptides have

CC specific uses based on their homology to known polypeptides, e.g. PRO211

CC and PRO217 can be used for disorders associated with the preservation and

CC maintenance of gastrointestinal mucosa and the repair of acute and

CC chronic mucosal lesions (e.g. enterocolitis, Zollinger-Ellison syndrome,

CC gastrointestinal ulceration and congenital microvillus atrophy), skin

CC diseases associated with abnormal keratinocyte differentiation (e.g.

CC psoriasis, epithelial cancers such as lung squamous cell carcinoma of the

CC vulva and gliomas), potent effects on cell growth and development,

CC diseases related to growth or survival of nerve cells including

CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies or cancer.

CC PRO265 can be used as for fibromodulin, e.g. for reducing dermal

CC scarring. PRO264 can be used as a target for anti-tumor drugs. PRO269 may

CC be used in the treatment of Usher Syndrome or Atrophie areata; PRO269 can

CC be used as an anti-thrombotic agent; PRO287 polypeptides and portions may

CC have therapeutic applications in wound healing and tissue repair; PRO317

CC can be used for treating problems of the kidney, uterus, endometrium,

CC blood vessels, or related tissue, e.g. in the heart of genital tract

XX

XX Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

XX

Query Match 100.0%; Score 957; DB 2; Length 1572;

Best Local Similarity 100.0%; Pred. No. 7.8e-263;

Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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61 TTGATCACTATGCTAGGACACATTTAGATTTGCTATGAAATAGAAATGCAACCAATGAG 120

Db

141 TTGATCACTATGCTAGGACACATTTAGATTTGCTATGAAATAGAAATGCAACCAATGAG 200

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Db

201 CATCATCACTACAAGCTCCTTAAAGAGAGATATCTTGAATTTTGAAGATGAGCGC 260

Oy

181 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGATTTATCTCTTTGAAACCCCAAGATGTT 240

Db

261 ATGGAGCTCAGTAAGAGCTTTGAGTATCTGATTTATCTCTTTGAAACCCCAAGATGTT 320

Oy

241 AGTCTTTGGGCTGCAATGAAGAGAGCTTGACCAAACTGTGTAAGAGAGATTTCTTC 300

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Oy

301 AGTCTGAAAATGTTAAAGTGTGAGTCAATTAATAGGACAAATGACATGTTGTTA 360

PF 16-SEP-1998; 98WO-US019330.

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PR 17-SEP-1997; 97US-0059113P.

PR 17-SEP-1997; 97US-0059115P.

PR 17-SEP-1997; 97US-0059117P.

PR 17-SEP-1997; 97US-0059119P.

PR 17-SEP-1997; 97US-0059121P.

PR 17-SEP-1997; 97US-0059122P.

PR 17-SEP-1997; 97US-0059184P.

PR 18-SEP-1997; 97US-0059263P.

PR 18-SEP-1997; 97US-0059266P.

PR 15-OCT-1997; 97US-0062125P.

PR 17-OCT-1997; 97US-0062285P.

PR 17-OCT-1997; 97US-0062287P.

PR 21-OCT-1997; 97US-0063486P.

PR 24-OCT-1997; 97US-0062914P.

PR 24-OCT-1997; 97US-0062816P.

PR 24-OCT-1997; 97US-0063045P.

PR 24-OCT-1997; 97US-0063120P.

PR 24-OCT-1997; 97US-0063121P.

PR 24-OCT-1997; 97US-0063127P.

PR 24-OCT-1997; 97US-0063128P.

PR 27-OCT-1997; 97US-0063327P.

PR 27-OCT-1997; 97US-0063329P.

PR 28-OCT-1997; 97US-0063541P.

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PR 28-OCT-1997; 97US-0063544P.

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PR 28-OCT-1997; 97US-0063564P.

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PR 29-OCT-1997; 97US-0063734P.

PR 29-OCT-1997; 97US-0063735P.

PR 29-OCT-1997; 97US-0063738P.

PR 29-OCT-1997; 97US-0064215P.

PR 31-OCT-1997; 97US-0063870P.

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PR 03-NOV-1997; 97US-0064248P.

PR 07-NOV-1997; 97US-0064809P.

PR 12-NOV-1997; 97US-0065186P.

PR 17-NOV-1997; 97US-0065846P.

PR 18-NOV-1997; 97US-0065693P.

PR 21-NOV-1997; 97US-0066120P.

PR 21-NOV-1997; 97US-0066364P.

PR 24-NOV-1997; 97US-0066453P.

PR 24-NOV-1997; 97US-0066466P.

PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.

PR 24-NOV-1997; 97US-0066772P.

PR 25-NOV-1997; 97US-0066840P.

XX

PA (GETH) GENENTECH INC.

XX

PI Wood WJ, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;

XX

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361 ATGATGAGAAAAGCTTCAAAATACGCCCTTGAATAGATAGAGACCAATCAACTGGTTC 420

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501 TTCTCTGCAAGCCCACTAGCTTTGCTATCATTGAAAACCTAAAGTATTTTTTGTAAAA 560

Oy

481 AAGGATCCATCACAGCCTTCTATCTAGGCCCACTATAAAATCTGGAGACCTTGAATAT 540

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561 AAGGATCCATCACAGCCTTCTATCTAGGCCCACTATAAAATCTGGAGACCTTGAATAT 620

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841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900

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Oy

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Db

981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1037

XX

RESULT 5

ADCT8652

ID ADCT8652 standard; cDNA; 1572 BP.

XX

AC ADCT8652;

XX

DT 01-JAN-2004 (first entry)

XX

DE Human PRO310 cDNA.

XX

KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;

KW neurotrophic; neuroprotective; vasotropic; chemotropic; angiogenic;

KW neurotrophic; osteopathic; antidiabetic; antihypertensive; antirheumatic;

KW antiarteriosclerotic; cardiac; antidiabetic; cerebroprotective;

KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
KW diabetes; stroke; gene therapy; transgenic; PRO; human; ss: gene.

XX Homo sapiens.

XX WO200015796-A2.

XX 23-MAR-2000.

XX 15-SEP-1999; 99WO-US021090.

XX 16-SEP-1998; 98WO-US019330.

XX (GSTH) GENENTECH INC.

PI Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WJ;

PI Yuan J;

XX WPI; 2000-271434/23.

XX P-PSDB; ADC78653.

XX Novel nucleic acids encoding secreted and transmembrane polypeptides with
PT homology, e.g. to growth and cancer-associated antigens.

XX Claim 2; SEQ ID NO 340; 355pp; English.

XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.
CC The polypeptides and polynucleotides of the invention may be useful as
CC research tools and as therapeutics for treating enterocolitis, Zollinger-
CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal
CC scarring and wound healing, nerve repair, thrombosis, bone and/or
CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
CC infertility, premature aging, AIDS, diabetes complications and stroke.
CC The molecules may also be utilised during gene therapy procedures and
CC transgenic animal production. The current sequence is that of the human
CC PRO cDNA of the invention.

XX Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 7.8e-263;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OM nucleic - nucleic search, using sw model

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(without alignments)
7697.405 Million cell updates/sec

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Perfect score: 957
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	957	100.0	1572	3	US-09-907-794A-340	Sequence 340, App
2	957	100.0	1572	3	US-09-905-125A-340	Sequence 340, App
3	957	100.0	1572	3	US-09-902-775A-340	Sequence 340, App
4	957	100.0	1572	3	US-09-906-700-340	Sequence 340, App
5	957	100.0	1572	3	US-09-903-603A-340	Sequence 340, App
6	957	100.0	1572	3	US-09-904-920A-340	Sequence 340, App
7	957	100.0	1572	3	US-09-909-064-340	Sequence 340, App
8	957	100.0	1572	3	US-09-905-381A-340	Sequence 340, App

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572

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10	957	100.0	1572	3	US-09-906-646-340	Sequence 340, App
11	957	100.0	1572	3	US-09-904-462-340	Sequence 340, App
12	957	100.0	1572	3	US-09-902-736A-340	Sequence 340, App
13	957	100.0	1572	3	US-09-906-722A-340	Sequence 340, App
14	955.4	99.8	1477	3	US-09-620-312D-831	Sequence 831, App
15	420	43.9	604	3	US-09-513-999C-1156	Sequence 1156, Ap
16	420	43.9	605	3	US-09-513-999C-1157	Sequence 1157, Ap
17	53	5.5	1092	3	US-09-464-035A-12	Sequence 12, Appl
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22	50	5.2	50	3	US-09-902-775A-345	Sequence 345, App
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35	44.8	4.7	1170	3	US-09-464-035A-15	Sequence 15, Appl
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39	41.6	4.3	1092	3	US-09-464-035A-14	Sequence 14, Appl
40	41.6	4.3	1469	3	US-09-464-035A-6	Sequence 6, Appli
c 41	40	4.2	7218	2	US-08-232-462-14	Sequence 14, Appl
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c 43	38.8	4.1	3030	3	US-09-693-146-3	Sequence 3, Appli
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c 45	38.4	4.0	1497	3	US-09-220-132-94	Sequence 94, Appl

ALIGNMENTS

RESULT 1
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; Sequence 340, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Borstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

TYPE: DNA
ORGANISM: Homo Sapien
US-09-907-794A-340
Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGATTTGTCATGGAATAGAAATGACACCATGAG 120
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Qy 121 CATCATCACTACAGCTCCTTAAACAAAGAGATATCTTGAATTTTCAAGGATGAGGCG 180
Db 201 CATCATCACTACAGCTCCTTAAACAAAGAGATATCTTGAATTTTCAAGGATGAGGCG 260
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Db 621 GTGGGTATGGAAGAGGAAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 680
Qy 601 CTCATATCCGAGAAAAGTGTCTGAAATATGCTGAGATTTGCGAGAAATGCGAAGATGCT 660
Db 681 CTCATATCCGAGAAAAGTGTCTGAAATATGCTGAGATTTGCGAGAAATGCGAAGATGCT 740
Qy 661 AAACAGCTAGAGTTTGCCTGAAATATGCTGAGATTTGCGAGAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGAGTTTGCCTGAAATATGCTGAGATTTGCGAGAAATGCGAAGATGCT 800
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1 PRIOR APPLICATION NUMBER: US 60/146,222
2 PRIOR FILING DATE: 1999-07-20
3 PRIOR APPLICATION NUMBER: PCT/US99/20594
4 PRIOR FILING DATE: 1999-09-08
5 PRIOR APPLICATION NUMBER: PCT/US99/20944
6 PRIOR FILING DATE: 1999-09-13
7 PRIOR APPLICATION NUMBER: PCT/US99/21090
8 PRIOR FILING DATE: 1999-09-15
9 PRIOR APPLICATION NUMBER: PCT/US99/21547
10 PRIOR FILING DATE: 1999-09-15
11 PRIOR APPLICATION NUMBER: PCT/US99/23089
12 PRIOR FILING DATE: 1999-10-05
13 PRIOR APPLICATION NUMBER: PCT/US99/28214
14 PRIOR FILING DATE: 1999-11-29
15 PRIOR APPLICATION NUMBER: PCT/US99/28313
16 PRIOR FILING DATE: 1999-11-30
17 PRIOR APPLICATION NUMBER: PCT/US99/28564
18 PRIOR FILING DATE: 1999-12-02
19 PRIOR APPLICATION NUMBER: PCT/US99/28565
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21 PRIOR APPLICATION NUMBER: PCT/US99/30095
22 PRIOR FILING DATE: 1999-12-16
23 PRIOR APPLICATION NUMBER: PCT/US99/30911
24 PRIOR FILING DATE: 1999-12-20
25 PRIOR APPLICATION NUMBER: PCT/US99/30999
26 PRIOR FILING DATE: 1999-12-20
27 PRIOR APPLICATION NUMBER: PCT/US00/00219
28 PRIOR FILING DATE: 2000-01-05
29 NUMBER OF SEQ ID NOS: 423
30 SEQ ID NO 340
31 LENGTH: 1572
32 TYPE: DNA
33 ORGANISM: Homo Sapien
34 US-09-905-125A:340

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Query Match      100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  ATGCTTTCTGAAGAGCAGCTCCCTTTTGAAGGGGTGTAGCTTGGGAAGCATTTTCTGTGCT 60
Db      81  ATGCTTTCTGAAGAGCAGCTCCCTTTTGAAGGGGTGTAGCTTGGGAAGCATTTTCTGTGCT 140

Qy      61  TTGATCACTATGCTAGGACACATATAGGATGGTCATGGAAATAGAAATGCCACCATAG 120
Db     141  TTGATCACTATGCTAGGACACATATAGGATGGTCATGGAAATAGAAATGCCACCATAG 200

Qy     121  CATCATCACTCAAGCTCCTCAAAAGANGATATCTTGAAGATTTAGAGGATGAGGCG 180
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Qy     181  ATGGAGCTCAGTAAGAGCTTTCGAGTATCTGTATATCTCTTGTAAACCCCAAGATGTG 240
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: APPLICANT: Ferrara, Napoleone
: APPLICANT: Filzoff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, A.
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth, J.
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: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William, I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: 10466-14
: CURRENT APPLICATION NUMBER: US/09/902,775A
: CURRENT FILING DATE: 2001-07-10
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
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: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1998-12-20

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; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 340
; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-902-775A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
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Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGTTGTGATGCTTGAAGCATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGTTGTGATGCTTGAAGCATTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAAATGCAACCATGAG 200
Oy 121 CATCATCACTACAAGCTCCTTAAACAAGAAGATATCTTGAAAAATTTCAAGGATGAGGC 180
Db 201 CATCATCACTACAAGCTCCTTAAACAAGAAGATATCTTGAAAAATTTCAAGGATGAGGC 260
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATACCTGATTTATCTTTGAAAAACCAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGTATACCTGATTTATCTTTGAAAAACCAAGATGTG 320
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Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGACATGTGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGACATGTGTTA 440
Oy 361 ATGATGAGAAAAGCTTAAATAGGCTTTGATAGTATAGAGCAATACAAGCTGTTTC 420
Db 441 ATGATGAGAAAAGCTTAAATAGGCTTTGATAGTATAGAGCAATACAAGCTGTTTC 500
Oy 421 TTCTTTCGACGCCCCACTAGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 480
Db 501 TTCTTTCGACGCCCCACTAGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 560
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCTT 680
Oy 601 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740

; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 340
; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-700-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGTTGTGATGCTTGAAGCATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGTTGTGATGCTTGAAGCATTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGGAATAGAAATGCAACCATGAG 200
Oy 121 CATCATCACTACAAGCTCCTTAAACAAGAAGATATCTTGAAAAATTTCAAGGATGAGGC 180
Db 201 CATCATCACTACAAGCTCCTTAAACAAGAAGATATCTTGAAAAATTTCAAGGATGAGGC 260
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATACCTGATTTATCTTTGAAAAACCAAGATGTG 240

Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTCAGAAAAATGCAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTCAGAAAAATGCAAGATGCT 800
Oy 721 GATGAAAAAGATGTTATTAATACCAAACTGTTGGGCTTTCTATTAAGAGGCAATGACT 780
Db 801 GATGAAAAAGATGTTATTAATACCAAACTGTTGGGCTTTCTATTAAGAGGCAATGACT 860
Oy 781 TATCACCCCAACAGGTAGTAGAGGCTGTTGTTTCAGATATGGCTGTTACTTTTAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAGGCTGTTGTTTCAGATATGGCTGTTACTTTTAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGTATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGTATACCGCTTAGGGCATTGGG 980
Oy 901 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGGTTCGCAATGACTGA 957
Db 981 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGGTTCGCAATGACTGA 1037

RESULT 4
US-09-906-700-340
; Sequence 340, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Saton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary S.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillen, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414

Db 261 ATGAGCTCAGTAAGAGCTTTGAGTATACCTGATTTATCTTTGAAAAACCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGAGTAAAGGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAAGGAGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGACATGTGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGACAAATGACATGTGTTA 440
Oy 361 ATGATGAGAAAAGCTTAAATAGGCTTTGATAGTATAGAGCAATACAAGCTGTTTC 420
Db 441 ATGATGAGAAAAGCTTAAATAGGCTTTGATAGTATAGAGCAATACAAGCTGTTTC 500
Oy 421 TTCTTTCGACGCCCCACTAGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 480
Db 501 TTCTTTCGACGCCCCACTAGTTTGTCTATCATTTGAAAACTTAAAGTATTTTGTGTTAAA 560
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGAATCAATGAAAAGACTTAAACAGCTT 680
Oy 601 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTCAGAAAAATGCAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTCAGAAAAATGCAAGATGCT 800
Oy 721 GATGAAAAAGATGTTATTAATACCAAACTGTTGGGCTTTCTATTAAGAGGCAATGACT 780
Db 801 GATGAAAAAGATGTTATTAATACCAAACTGTTGGGCTTTCTATTAAGAGGCAATGACT 860
Oy 781 TATCACCCCAACAGGTAGTAGAGGCTGTTGTTTCAGATATGGCTGTTACTTTTAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAGGCTGTTGTTTCAGATATGGCTGTTACTTTTAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGTATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTATGATGATATGGGTATACCGCTTAGGGCATTGGG 980
Oy 901 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGGTTCGCAATGACTGA 957
Db 981 CATATTTTCAATGATGATGTTGTTTCTTACCTCCAAATGGTTCGCAATGACTGA 1037

RESULT 5
US-09-903-603A-340
; Sequence 340, Application US/09903603A
; Patent No. 6767995
; GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Saton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903,603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US99/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-903-603A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACCATGAG 200
Oy 121 CATCATCACTACCAAGCTCTTAAACAAGAGATATCTTGAAATTTGAGAGATGAGGCC 180
Db 201 CATCATCACTACCAAGCTCTTAAACAAGAGATATCTTGAAATTTGAGAGATGAGGCC 260
Oy 181 ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTTATTCCTTGTAAACCCCAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTTGAGTATATCTGTTATTCCTTGTAAACCCCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGCGATTAAGAGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCGATTAAGAGAGACTTGGACCAACACTGTGCAAAAGCAGAGTTCTTC 380
Oy 301 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGACATGTGTGTTA 360
Db 381 AGTTCTGAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGACATGTGTGTTA 440
Oy 361 ATGATGAGAAAGCTTACAAATCGCCTTGTATAGTATAGAGACCAATCAACATGTGTT 420
Db 441 ATGATGAGAAAGCTTACAAATCGCCTTGTATAGTATAGAGACCAATCAACATGTGTT 500
Oy 421 TTCTTGGACGCCCCACTAGCTTTGCTATCATTGAAACCTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTGGACGCCCCACTAGCTTTGCTATCATTGAAACCTAAAGTATTTTGTGTTAAAA 560
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAACAGCCTT 600
Db 621 GTGGGTATGGAAGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAACAGCCTT 680

Oy 601 CTCAATATCCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCCAGAAAAGTGTCTGAAACAGGAGGGATGTTTGAAGATATCTGAAGAT 740
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCAAGAAATGCAAGAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTGCAAGAAATGCAAGAGATGCT 800
Oy 721 GATGAAAAGATGTTTAAATACCAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTTTAAATACCAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Oy 781 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTTTCAGATATGCTGTTACTTTTAAATGGA 840
Db 861 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTTTCAGATATGCTGTTACTTTTAAATGGA 920
Oy 841 CTGACTCCAAATCAGATGCAATGATGATGATGAGGGGTATACGCGCTTAGGGCAATTTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGATGATGATGAGGGGTATACGCGCTTAGGGCAATTTGGG 980
Oy 901 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGTTTCTGCAATGACTGTA 957
Db 981 CATATTTTCAATGATGCAATGTTTCTTACCTCCAAATGTTTCTGCAATGACTGTA 1037

RESULT 6
US-09-904-920A-340
Sequence 340, Application US/09904920A
Patent No. 6806352
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Saton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-920A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAGAAATGACCAACCATGAG 200

Qy 121 CATCATCACTACAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180
Db 121 CATCATCACTACAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTCTGTAAAACCCAAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTCTGTAAAACCCAAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACAAACACTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACAAACACTGTGACAAAGCAGAGTTCTTC 380
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGTGA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGTGA 440
Qy 361 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACCTGGTTC 420
Db 441 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACCTGGTTC 500
Qy 421 TTCTTTCAGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
Db 501 TTCTTTCAGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 560
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 680
Qy 601 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800
Qy 721 GATGGAAGAGATGTTTAAATACCAAACTCTGTGGGCTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAGAGATGTTTAAATACCAAACTCTGTGGGCTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACAGGATAGTGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840
Db 861 TATCACCCCAACAGGATAGTGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920
Qy 841 CTGACTCCAAATCAGATGATGTGATGATGTATGGGATATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGATGTGATGATGTATGGGATATACCGCTTAGGGCATTGGG 980
Qy 901 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTTCTGACAATGACTGA 957
Db 981 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTTCTGACAATGACTGA 1037

; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 340
; LENGTH: 1572
; TYPES: DNA
; ORGANISM: Homo Sapien
US-09-909-064-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGCTGTGATGCTTGAAGCATTTCCTGTCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCAATGGAATAGAAATGACACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCAATGGAATAGAAATGACACCATGAG 200
Qy 121 CATCATCACTACAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 180
Db 201 CATCATCACTACAAGCTCTTAACAAAGAGATATCTTGAATTTTCAGAGGATGAGGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTCTGTAAAACCCAAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTTGAGTATACTGTATTATCTCTGTAAAACCCAAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACAAACACTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGCAGTAAAGAGACTTGGACAAACACTGTGACAAAGCAGAGTTCTTC 380
Qy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGTGA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAATGACATGTGTGA 440
Qy 361 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACCTGGTTC 420
Db 441 ATGATGAGAAAGCTTACAAATACGCTTTGATAAGTATAGAGACCAATACAACCTGGTTC 500
Qy 421 TTCTTTCAGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 480
Db 501 TTCTTTCAGCCCCACTACGTTTGTCTATCATTTGAAAACTAAAGTATTTTGTGTTAAA 560
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540

RESULT 7
US-09-909-064-340
; Sequence 340, Application US/09909064
; Patent No. 681849
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary S.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillen, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumes, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30

Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAAATCAATGAAAGACTTAAACAGCTT 680
Qy 601 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAAGTGTCTTGAACAGGAGGAGTATTTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800
Qy 721 GATGGAAGAGATGTTTAAATACCAAACTCTGTGGGCTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAGAGATGTTTAAATACCAAACTCTGTGGGCTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACAGGATAGTGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 840
Db 861 TATCACCCCAACAGGATAGTGAAGGCTGTGTTCAGATATGGCTGTACTTTTAATGGA 920
Qy 841 CTGACTCCAAATCAGATGATGTGATGATGTATGGGATATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGATGTGATGATGTATGGGATATACCGCTTAGGGCATTGGG 980
Qy 901 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTTCTGACAATGACTGA 957
Db 981 CATATTTTCAATGATGATGTGTTTCTTACCTCCAAATGTTTCTGACAATGACTGA 1037

RESULT 8
US-09-905-381A-340
; Sequence 340, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary S.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillen, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,381A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-905-381A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140

Oy 901 CATATTTTCAATGATGATGCTTGTCTTACCTCCAAATGGTCTGCAATGACTGA 957
Db 981 CATATTTTCAATGATGATGCTTGTCTTACCTCCAAATGGTCTGCAATGACTGA 1037

RESULT 9

US-09-906-618-340
Sequence 340, Application US/09906618
Patent No. 6828146
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,618
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089

Oy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 200
Oy 121 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 180
Db 201 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 260
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATATCTTGTAAATCCCAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATATCTTGTAAATCCCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 300
Db 321 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGCACTGTGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGCACTGTGTTA 440
Oy 361 ATGATGAGAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTTTC 420
Db 441 ATGATGAGAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTTTC 500
Oy 421 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480
Db 501 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 560
Oy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Oy 541 GTGGGTATGGAAGAGGAATTTGCTTAAAGTATAGAAATCAATGAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGAGGAATTTGCTTAAAGTATAGAAATCAATGAAAGACTTAAAGCCTT 680
Oy 601 CTCAATATCCAGAAAGTGTCTGGAACAGGAGGGATGATTGGAAGATATCTGAAGAT 660
Db 681 CTCAATATCCAGAAAGTGTCTGGAACAGGAGGGATGATTGGAAGATATCTGAAGAT 740
Oy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTGCAAGAAATGCAAGAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGTATTTGCAAGAAATGCAAGAGATGCT 800
Oy 721 GATGAAAGATGATTTAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAGATGATTTAATACCAAACTGTTGGGCTTTCTATTAAAGAGGCAATGACT 860
Oy 781 TATCACCCCAACAGGTAGTAGAGGCTGTTGTCAGATATGGCTGTTACTTTTAAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAGGCTGTTGTCAGATATGGCTGTTACTTTTAAATGGA 920
Oy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Db 921 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 980

PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-618-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Oy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 200
Oy 121 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 180
Db 201 CATCATCACTCAAGCTCCTTAACTAAGAGATATCTTGAATAATTCAGAGGATGAGCGC 260
Oy 181 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATATCTTGTAAATCCCAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGTATATCTGTATATCTTGTAAATCCCAAGATGTG 320
Oy 241 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 300
Db 321 AGTCTTTGGGCTGCACTAAGAGACTTGGACCAAACTCTGTGCAAAAGCAGATTTCTTC 380
Oy 301 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGCACTGTGTTA 360
Db 381 AGTTCTGAAAAATGTTAAAGTGTGAGTCAATTAATATGGAACCAATGCACTGTGTTA 440
Oy 361 ATGATGAGAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTTTC 420
Db 441 ATGATGAGAAAGCTTACAAATAGCCCTTTGATAGTATAGAGACCAATCAACTGTTTC 500
Oy 421 TTCTTTCAGCGCCCACTACGTTTGTCTATCATTTGAAACCTAAAGTATTTTGTGTTAAA 480

Db 501 |||||TTCTTGCACGCCCCACTACGTTTGGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 560
Qy 481 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 680
Qy 601 CTCATATCCCAGAAAAGTGTCTTGAACAGGAGGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCCAGAAAAGTGTCTTGAACAGGAGGGGATGATTTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800
Qy 721 GATGAAAAGATGTATTTAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTTAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840
Db 861 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAATGACTGA 1037

RESULT 10

US-09-906-646-340
: Sequence 340, Application US/09906646
: Patent No. 6852848
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, A.
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth, J.

: APPLICANT: Kljavin, Ivar J.
: APPLICANT: Mather, Jennie P.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumes, Daniel
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William, I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: 10466-14
: CURRENT APPLICATION NUMBER: US/09/906,646
: CURRENT FILING DATE: 2002-01-22
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
: PRIOR FILING DATE: 1999-07-26
: PRIOR APPLICATION NUMBER: US 60/146,222
: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594
: PRIOR FILING DATE: 1999-09-08
: PRIOR APPLICATION NUMBER: PCT/US99/20944
: PRIOR FILING DATE: 1999-09-13
: PRIOR APPLICATION NUMBER: PCT/US99/21090
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/21547
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/23089
: PRIOR FILING DATE: 1999-10-05
: PRIOR APPLICATION NUMBER: PCT/US99/28214
: PRIOR FILING DATE: 1999-11-29
: PRIOR APPLICATION NUMBER: PCT/US99/28313
: PRIOR FILING DATE: 1999-11-30
: PRIOR APPLICATION NUMBER: PCT/US99/28564
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/28565
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/30095
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US00/00219
: PRIOR FILING DATE: 2000-01-05
: NUMBER OF SEQ ID NOS: 423
: SEQ ID NO 340
: LENGTH: 1572
: TYPE: DNA
: ORGANISM: Homo Sapien
US-09-906-646-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;

Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 140
Qy 121 TGTACACTATGCTAGGACACACTTAGGATGTGTCAAGAAATAGAAATGACACCAATGAG 120
Db 141 TGTACACTATGCTAGGACACACTTAGGATGTGTCAAGAAATAGAAATGACACCAATGAG 200
Qy 181 CATCATCACTCAAGCTCCTTAAAGAAAGATATCTTGAATAATTCAGAGGATGAGGCG 180
Db 201 CATCATCACTCAAGCTCCTTAAAGAAAGATATCTTGAATAATTCAGAGGATGAGGCG 260
Qy 241 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTTGAAGTATCTGTATATCTTGTAAAAACCAAGATGTG 320
Qy 301 AGTCTTTGGGCTGAGTAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAGAGAGCTTGAACCAAACTGTGCAAAAGCAGAGTTCTTC 380
Qy 361 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAAATGACATGTGGTTA 360
Db 381 AGTTCTGAAAATGTTAAAGTGTGAGTCAATTAATATGGAACAAATGACATGTGGTTA 440
Qy 421 ATGATGAGAAAAGCTTACAAATAGCCCTTGTAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATAGCCCTTGTAGTATAGAGACCAATACAACTGGTTC 500
Qy 481 TTCTTGCACGCCCCACTACGTTTGGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 480
Db 501 TTCTTGCACGCCCCACTACGTTTGGCTATCATTTGAAACCTAAAGTATTTTGTGTTAAAA 560
Qy 541 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAGACGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 601 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 600
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGAATCAATGAAAGACTTAAACGCTT 680
Qy 661 CTCATATCCCAGAAAAGTGTCTTGAACAGGAGGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCCAGAAAAGTGTCTTGAACAGGAGGGGATGATTTGGAAGATATCTGAAGAT 740
Qy 721 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 800
Qy 781 GATGAAAAGATGTATTTAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGAAAAGATGTATTTAATACCAAACTGTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 841 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840
Db 861 TATCACCCCAACCAAGTAGTAGAAGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920

Qy 841 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGTGATGATGTATGGGTATACCGCTTAGGGCATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAATGACTGA 1037

RESULT 11

US-09-904-462-340
: Sequence 340, Application US/0990462
: Patent No. 6878807
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, A.
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth, J.
: APPLICANT: Kljavin, Ivar J.
: APPLICANT: Mather, Jennie P.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumes, Daniel
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William, I.

: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: 10466-14
: CURRENT APPLICATION NUMBER: US/09/904,462
: CURRENT FILING DATE: 2001-07-13
: PRIOR APPLICATION NUMBER: 09/665,350
: PRIOR FILING DATE: 2000-09-18
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
: PRIOR FILING DATE: 1999-07-26
: PRIOR APPLICATION NUMBER: US 60/146,222
: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594
: PRIOR FILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
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PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-462-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCAACCAATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCAACCAATGAG 200
Qy 121 CATCATCACTACAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGGCG 180
Db 201 CATCATCACTACAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGGCG 260
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAACCCAAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAACCCAAAGATGTG 320
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGCTTGGAACCAACCTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAGAGAGCTTGGAACCAACCTGTGACAAAGCAGAGTTCTTC 380
Qy 301 AGTCTGAAAATGTTAAAGTGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,736A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340

Db 381 AGTTCGAAAATGTTAAAGTGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGATATAGAGACCAATACAACTGTTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGATATAGAGACCAATACAACTGTTTC 500
Qy 421 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTGTTAAA 480
Db 501 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTGTTAAA 560
Qy 481 AAGGATCCATCAAGCCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAAGCCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCCTT 680
Qy 601 CTCATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGTTTGGAGATATCTGAAGAT 660
Db 681 CTCATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGTTTGGAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 800
Qy 721 GATGGAAGAGATGTTTAAATACCAAACTGTGGGCTTCTATTAAGAGGCAATGACT 780
Db 801 GATGGAAGAGATGTTTAAATACCAAACTGTGGGCTTCTATTAAGAGGCAATGACT 860
Qy 781 TATCACCCACCAAGGTAGTAGAGGCTGTTTGCATATGGCTGTACTTTTAATGGA 840
Db 861 TATCACCCACCAAGGTAGTAGAGGCTGTTTGCATATGGCTGTACTTTTAATGGA 920
Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 921 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 980
Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 981 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

RESULT 12
US-09-902-736A-340
Sequence 340, Application US/09902736A
Patent No. 6894148
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang

LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-902-736A-340
Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGCATTTTCTGTGCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCAACCAATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCAACCAATGAG 200
Qy 121 CATCATCACTACAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGGCG 180
Db 201 CATCATCACTACAAGCTCCTAAACAAGAGATATCTTGAAATTTTCAGAGGATGAGGCG 260
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAACCCAAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATATCTCTGTAAACCCAAAGATGTG 320
Qy 241 AGTCTTTGGGCTGAGTAAGAGAGCTTGGAACCAACCTGTGACAAAGCAGAGTTCTTC 300
Db 321 AGTCTTTGGGCTGAGTAAGAGAGCTTGGAACCAACCTGTGACAAAGCAGAGTTCTTC 380
Qy 301 AGTTCGAAAATGTTAAAGTGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
Db 381 AGTTCGAAAATGTTAAAGTGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 440
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGATATAGAGACCAATACAACTGTTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATACGCCCTTTGATAGATATAGAGACCAATACAACTGTTTC 500
Qy 421 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTGTTAAA 480
Db 501 TTCTTGCAGGCCCCACTAGCTTTGCTATCAITGAAACCTAAAGATATTTTGTGTTAAA 560
Qy 481 AAGGATCCATCAAGCCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCAAGCCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTTCTTAAGTGTAGAAATCAATGAAAGACTTAAAGCCCTT 680
Qy 601 CTCATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGTTTGGAGATATCTGAAGAT 660
Db 681 CTCATATCCGAGAAAAGTGTCTGAAACAGGAGGGATGTTTGGAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGAGATATTTGCGAAAAATGCGAAGATGCT 800

Qy 721 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACCCAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840
Db 861 TATCACCCCAACCCAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCAATGATGATATGATGGGATATACCGCCTTAGGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGATGATATGATGGGATATACCGCCTTAGGGCAATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 1037

RESULT 13

US-09-906-722A-340

; Sequence 340, Application US/09906722A

; Patent No. 6946262

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gunner, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas P.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: GNE.1618P2C61

; CURRENT APPLICATION NUMBER: US/09/906,722A

; CURRENT FILING DATE: 2001-07-16

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 340
; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-722A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 140
Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 120
Db 141 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 200
Qy 121 CATCATCACTACAAGCTCTTAACAAGAAGATATCTGAAAAATTCAGAGGATGAGCGC 180
Db 201 CATCATCACTACAAGCTCTTAACAAGAAGATATCTGAAAAATTCAGAGGATGAGCGC 260
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTCTGTAAAAACCAAGATGTG 240
Db 261 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTCTGTAAAAACCAAGATGTG 320
Qy 241 AGTCTTTGGGCTGCAAGGAGGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300

Db 321 AGTCTTTGGGCTGCAAGGAGGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 380
Qy 301 AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 360
Db 381 AGTTCTGAAAATGTTAAAGTGTGTGAGTCAATTAATATGGAACAATGACATGTGGTTA 440
Qy 361 ATGATGAGAAAAGCTTACAATACGGCTTTGATAAGTATAGAGCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAATACGGCTTTGATAAGTATAGAGCAATACAACTGGTTC 500
Qy 421 TTCTTGACGCGCCCACTAGCTTTGCTATCATTTGAAAACTTAAGATATTTTGTGTAAAA 480
Db 501 TTCTTGACGCGCCCACTAGCTTTGCTATCATTTGAAAACTTAAGATATTTTGTGTAAAA 560
Qy 481 AAGATCCATCAGAGCTTTCTATCTAGGCACTATATAAATCTGAGAGCTTGAATAT 540
Db 561 AAGATCCATCAGAGCTTTCTATCTAGGCACTATATAAATCTGAGAGCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGGAGAAATGTCTTAAGTGTAGAATCAATGAAAAGACTTAAAGCCTT 680
Qy 601 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 681 CTCATATCCCAAAAAGTGTCTGAAACAGGAGGGATGATTTGGAAGATATCTGAAGAT 740
Qy 661 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGAGAAAATGCAAGATGCT 720
Db 741 AAACAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGAGAAAATGCAAGATGCT 800
Qy 721 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
Db 801 GATGGAAAAGATGTATTTAATACCAAACTCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
Qy 781 TATCACCCCAACCCAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 840
Db 861 TATCACCCCAACCCAGGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCAATGATGATATGATGGGATATACCGCCTTAGGGCAATTGGG 900
Db 921 CTGACTCCAAATCAGATGCAATGATGATATGATGGGATATACCGCCTTAGGGCAATTGGG 980
Qy 901 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 957
Db 981 CATATTTTCAATGATGCAATGGTTTCTTACCTCCAAATGGTTCGACAAATGACTGA 1037

RESULT 14

US-09-620-312D-831

; Sequence 831, Application US/09620312D

; Patent No. 6569662

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 831
; LENGTH: 1477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (231)..(1187)
US-09-620-312D-831

Query Match 99.8%; Score 955.4; DB 3; Length 1477;
Best Local Similarity 99.9%; Pred. No. 3.2e-279;
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 60
Db 231 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTGATGCTTGAAGAGATTTTCTGTGCT 290
Qy 61 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 120
Db 291 TTGATCACTATGCTAGGACACATTAGGATGGTCATGGAAATAGAAATGCAACCATGAG 350
Qy 121 CATCATCACTACAAGCTCTTAACAAGAAGATATCTGAAAAATTCAGAGGATGAGCGC 180
Db 351 CATCATCACTACAAGCTCTTAACAAGAAGATATCTGAAAAATTCAGAGGATGAGCGC 410
Qy 181 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTCTGTAAAAACCAAGATGTG 240
Db 411 ATGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTCTGTAAAAACCAAGATGTG 470
Qy 241 AGTCTTTGGGCTGCAAGGAGGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 300
Db 471 AGTCTTTGGGCTGCAAGGAGGACTTGGACCAAACTGTGCAAAAGCAGAGTTCTTC 530

Qy 301 AGTTCGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
Db 531 AGTTCGAAAAATGTTAAAGAGTTTGAGTCAATTAATATGGACACAAATGACATGTGGTTA 590
Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 420
Db 591 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 650
Qy 421 TTCCTTGACGCCCCACTACGTTGCTATCATTTGAAACCTAAAGTATTTTGTGTAATA 480
Db 651 TTCCTTGACGCCCCACTACGTTGCTATCATTTGAAACCTAAAGTATTTTGTGTAATA 710
Qy 481 AAGGATCCATCAGACCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 711 AAGGATCCATCAGACCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 770
Qy 541 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCCTT 600
Db 771 GTGGGTATGGAAGGAGGAATTTGCTTAAGTGTAGATCAATGAAAAGACTTAAACAGCCTT 830
Qy 601 CTCAATATCCAGAAAAGTGTCTGAAACGGGAGGGATGATTTGGAAGATATCTGAAGAT 660
Db 831 CTCAATATCCAGAAAAGTGTCTGAAACGGGAGGGATGATTTGGAAGATATCTGAAGAT 890
Qy 661 AAAAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 720
Db 891 AAAAGCTAGCAGTTTGCTGAAATATGCTGGAGTATTTGCAGAAAATGCAGAAAGATGCT 950
Qy 721 GATGGAAGAAGATGATTTAATACCAAACTGTGGGCTTCTAATAAGAGGCAATGACT 780
Db 951 GATGGAAGAAGATGATTTAATACCAAACTGTGGGCTTCTAATAAGAGGCAATGACT 1010
Qy 781 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAATGA 840
Db 1011 TATCACCCCAACCAAGTAGTAGAAGGCTGTGTTGATATGGCTGTTACTTTTAATGA 1070
Qy 841 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Db 1071 CTGACTCCAAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1130
Qy 901 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 957
Db 1131 CATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1187

RESULT 15

US-09-513-999C-1156
; Sequence 1156, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C

Qy 361 ATGATGAGAAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 420
Db 534 ATGATGAG-AAAAGCTTACAAATACGCCCTTGAATAGTATAGAGACCAATACAACTGGTTC 592
Qy 421 TTCCTTGACGDC 432
Db 593 TTCCTTGACGDC 604

Search completed: April 7, 2006, 01:30:46
Job time : 223 secs

; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 1156
; LENGTH: 604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 174..602
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 133
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 135
; OTHER INFORMATION: w=a or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 137
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 140
; OTHER INFORMATION: k=g or t
US-09-513-999C-1156

Query Match 43.9%; Score 420; DB 3; Length 604;
Best Local Similarity 99.8%; Pred. No. 4.6e-117;
Matches 431; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 60
Db 174 ATGCTTTCTGAAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGGAAAGCATTTTCTGTGCT 233
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 120
Db 234 TTGATCACTATGCTAGGACACATTAGGATTGGTCATGGAAATAGAAATGCACCACTAG 293
Qy 121 CATCATCACCTACAAGCTCCTAACAAAGAGATATCTTGAAAATTTGAGAGGATGAGCGC 180
Db 294 CATCATCACCTACAAGCTCCTAACAAAGAGATATCTTGAAAATTTGAGAGGATGAGCGC 353
Qy 181 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTATAAACCAGAGATGTG 240
Db 354 ATGGAGCTCAGTAAGAGCTTTGAGATATCTGTATTATCTTGTATAAACCAGAGATGTG 413
Qy 241 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 300
Db 414 AGTCTTTGGGCTGCAGTAAAGGAGACTTGGACCAAACTGTGACAAAGCAGAGTTCTTC 473
Qy 301 AGTTCGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGACACAAATGACATGTGGTTA 360
Db 474 AGTTCGAAAAATGTTAAAGTGTTCAGTCAATTAATATGGACACAAATGACATGTGGTTA 533

DR N-PSDB; AAA96501.

XX New human transmembrane proteins are used to treat a disease or condition

PT associated with decreased expression of functional HTPP e.g. Tourette's

PT disorder, angina and leukemia.

XX Disclosure; Page 105-106; 130pp; English.

PS The present sequence represents a human transmembrane proteins (HTMP).

XX Agonists and antagonists of the protein are used to treat a disease or

CC condition associated with overexpression of the protein. Diseases and

CC conditions which can be treated include cell proliferative,

CC immunological, reproductive, smooth muscle and neurological disorders

CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency

CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,

CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The

CC polynucleotides may be used to detect and quantify gene expression in

CC biopsied tissues where protein expression may be correlated with disease

CC e.g. to determine absence, presence or excess expression of HTMP or to

CC monitor regulation of HTMP expression during therapeutic intervention

XX SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;

Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSESSFLKGVMLGSIFICALITMLGHIRIGHGNRMHHHHLQAPNKEDILKISDER 60

Db 1 MLSESSFLKGVMLGSIFICALITMLGHIRIGHGNRMHHHHLQAPNKEDILKISDER 60

QY 61 MELSKSFRVYCIILVKPKDVSILAAVKETWTKHCDKAEFFSSENVKVFESINMDNDMWL 120

Db 61 MELSKSFRVYCIILVKPKDVSILAAVKETWTKHCDKAEFFSSENVKVFESINMDNDMWL 120

QY 121 MMRKAYKAFDKYRDQYNMFFLARPTTFIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

Db 121 MMRKAYKAFDKYRDQYNMFFLARPTTFIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180

QY 181 VMEGGIVLSVESMKRLNSLLNIPEKCPQGGMWIKISEDQLAVCLKYAGVFAENAEDA 240

Db 181 VMEGGIVLSVESMKRLNSLLNIPEKCPQGGMWIKISEDQLAVCLKYAGVFAENAEDA 240

QY 241 DCKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTYGVYRLRFG 300

Db 241 DCKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMTYGVYRLRFG 300

QY 301 HIFNDALVFLPPNGSDND 318

Db 301 HIFNDALVFLPPNGSDND 318

RESULT 3

ID ADC78653 standard; protein; 318 AA.

XX

AC ADC78653;

XX 01-JAN-2004 (first entry)

DT Human PRO310 protein.

DE

XX antinflammatory; antitumor; cytostatic; antipsoriatic; antiparkinsonian;

KW neurotropic; neuroprotective; vasotropic; chemotactic; angiogenic;

KW neurotrophic; osteopathic; antiasthmatic; antiarthritic; antirheumatic;

KW antiarteriosclerotic; cardiatic; antidiabetic; cerebroprotective;

KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;

KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;

KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;

KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;

KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;

KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;

KW diabetes; stroke; gene therapy; transgenic; PRO; human.

XX Homo sapiens.

OS

XX WO200015796-A2.

PN

XX 23-MAR-2000.

PD

XX 15-SEP-1999; 99WO-US021090.

PF

XX 16-SEP-1998; 98WO-US019330.

PR

XX (GETH) GENENTECH INC.

PA

XX Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;

PI Yuan J;

PI

XX WPI; 2000-271434/23.

DR

XX N-PSDB; ADC78652.

XX Novel nucleic acids encoding secreted and transmembrane polypeptides with

PT homology, e.g. to growth and cancer-associated antigens.

PT

XX Claim 12; SEQ ID NO 341; 355pp; English.

PS

XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.

CC The polypeptides and polynucleotides of the invention may be useful as

CC research tools and as therapeutics for treating enterocolitis, Zollinger-

CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,

CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal

CC scarring and wound healing, nerve repair, thrombosis, bone and/or

CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple

CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,

CC infertility, premature aging, AIDS, diabetes complications and stroke.

CC The molecules may also be utilised during gene therapy procedures and

CC transgenic animal production. The current sequence is that of the human

CC PRO protein of the invention.

XX SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;

Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSESSFLKGVMSIFCALITMLGHIRIGHGNRMHHEHHHLQAPNKEDILKISDER 60
|||||
Db 1 MLSESSFLKGVMSIFCALITMLGHIRIGHGNRMHHEHHHLQAPNKEDILKISDER 60
|||||
QY 61 MELSKSFRVYCIILVFKDVSLSMAAVKETWTKHCDKAFFSSENKVFESINMDTNDMWL 120
|||||
Db 61 MELSKSFRVYCIILVFKDVSLSMAAVKETWTKHCDKAFFSSENKVFESINMDTNDMWL 120
|||||
QY 121 MMRKAYKAFDKYQDQNNFFLAPPTTFATIIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180
|||||
Db 121 MMRKAYKAFDKYQDQNNFFLAPPTTFATIIENLKYFLKKDPSQPFYLGHTIKSGDLEY 180
|||||
QY 181 VMEGGIVLSVESMKRLNSLLNIPEKPEQCGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
|||||
Db 181 VMEGGIVLSVESMKRLNSLLNIPEKPEQCGMIWKISEDKQLAVCLKYAGVFAENAEDA 240
|||||
QY 241 DGKDVNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQMHVMYGVYRLAFA 300
|||||
Db 241 DGKDVNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQMHVMYGVYRLAFA 300
|||||
QY 301 HIFNDALVFLPPNGSDND 318
|||||
Db 301 HIFNDALVFLPPNGSDND 318
|||||

RESULT 4
AAB80270
ID AAB80270 standard; protein; 318 AA.
XX AC AAB80270;
XX DT 24-APR-2001 (first entry)
XX DE Human PRO310 protein.
XX KW Human: PRO: dermatological; antipsoriatic; cytostatic; antiinflammatory;
KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
KW antiangiogenic; vasotropic; antiasthmatic; antirheumatic; cancer;
KW antiarthritic; antinfertility; antidiabetic; antiviral; diabetes;
KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;
KW ischaemia; inflammation.
XX OS Homo sapiens.
XX PN WO200104311-A1.
XX PD 18-JAN-2001.
XX PF 22-FEB-2000; 2000WO-US004414.
XX PR 07-JUL-1999; 99US-0143048P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.

Qy 121 CATCATCAGCTAAGCTCTTAACAAGAAGATATCTTGAATAATTTTCAGAGGATGAGCGC 180
|||||
Db 201 CATCATCAGCTAAGCTCTTAACAAGAAGATATCTTGAATAATTTTCAGAGGATGAGCGC 260
|||||
Qy 181 ATGGAGCTCAGTAGAGCTTTCGAGTATACGTATATCTTGTAAACCCAAAGATGTC 240
|||||
Db 261 ATGGAGCTCAGTAGAGCTTTCGAGTATACGTATATCTTGTAAACCCAAAGATGTC 320
|||||
Qy 241 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 300
|||||
Db 321 AGTCTTTGGGCTGCAGTAAGAGAGACTTGGACCAACACTGTGACAAAGCAGAGTTCTTC 380
|||||
Qy 301 AGTTCGAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGTGGTTA 360
|||||
Db 381 AGTTCGAAAATGTTAAAGTGTGAGTCAATTAATATGACACAAATGACATGTGGTTA 440
|||||
Qy 361 ATGATGAGAAAAGCTTCAAAATACGCTTTGATATAGTATAGAGACCAATACAACTGGTTC 420
|||||
Db 441 ATGATGAGAAAAGCTTCAAAATACGCTTTGATATAGTATAGAGACCAATACAACTGGTTC 500
|||||
Qy 421 TTCCTTGCACGCCCACTAGCTTGTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 480
|||||
Db 501 TTCCTTGCACGCCCACTAGCTTGTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 560
|||||
Qy 481 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
|||||
Db 561 AAGGATCCATCAGAGCTTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
|||||
Qy 541 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGTAATCAATGAAAGACTTAAACGCTT 600
|||||
Db 621 GTGGGTATGGAAGGAGGAATGTCTTAAGTGTAGTAATCAATGAAAGACTTAAACGCTT 680
|||||
Qy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGGATGATTTGGAAAGATATCTGAAGAT 660
|||||
Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGAGGGGATGATTTGGAAAGATATCTGAAGAT 740
|||||
Qy 661 AAACAGCTAGCAGTTTGCTGGAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 720
|||||
Db 741 AAACAGCTAGCAGTTTGCTGGAATATGCTGGAGTATTTGCAGAAAATGCAGAGATGCT 800
|||||
Qy 721 GATGAAAAGATGTATTTAATACCAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 780
|||||
Db 801 GATGAAAAGATGTATTTAATACCAATCTGTGGGCTTTCTATTAAAGAGGCAATGACT 860
|||||
Qy 781 TATCACCCCAACAGGTAGTAGAGGCTGTGTTCCAGATATGGCTGTACTTTTAAATGGA 840
|||||
Db 861 TATCACCCCAACAGGTAGTAGAGGCTGTGTTCCAGATATGGCTGTACTTTTAAATGGA 920
|||||
Qy 841 CTGACTCCAAATCAGATGCATGTGATGAGGATATACCGCTTAGGGCAATTGGG 900
|||||
Db 921 CTGACTCCAAATCAGATGCATGTGATGAGGATATACCGCTTAGGGCAATTGGG 980
|||||
Qy 901 CATATTTCAATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 957
|||||
Db 981 CATATTTCAATGCAATGGTTTCTTACCTCCAAATGGTTCTGCAATGACTGA 1037
|||||